AUG—OCT. 1980

REPEATER JOURNAL

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CAROLINAS - VIRGINIA REPEATER ASSN. INC.

REPRESENTING UHF-VHF INTERESTS THROUGHOUT VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, TENNESSEE, & WEST VIRGINIA

In This Issue...

- *Updated Repeater Indexes For 10 States*
- *CVRA Annual Meeting*
- *Another "Tall Tower"*
- *Editorially—It's Your Turn*

CVRA Cover Story...

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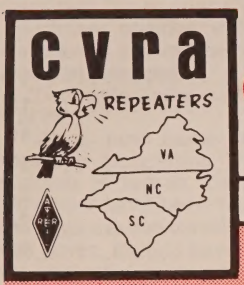
REPEATER JOURNAL

CAROLINAS - VIRGINIA REPEATER ASSN. INC

AUG—OCT. 1980 "IN OUR 9th YEAR" VOLUME 9 No. 3



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ON THE COVER

A nice shady spot on top of Sassifras Mt. in S.C. is home of the new 19-79. Lower inset...A view from the Greensboro Tall Tower, home of another 19-79 in N.C.

EDITORIAL COMMENT

FULL MEMBERS...Your Turn Is Next...

Over the past years I have been associated with the CVRA in one capacity or other, I have heard some people grumble about "do nothing" Directors, or Directors they cannot get along with, or Directors who might not be doing the best job possible for their district.

Well, now everyone who is a full member of the CVRA has a chance to do something about it. Election time for directors is coming up this Fall, as each Director's term expires December 31, 1980.

The annual meeting at the Shelby Hamfest August 30th is a place you can start. This is the time President Lane Tarleton will ask for volunteers, or if necessary name a nominating committee for each of the CVRA Districts of Virginia, South Carolina, North Carolina, Tennessee and West Virginia. These nominating committees will be a sounding board for each district and be responsible for nominating a new Director and Vice Director for the 1981-1982 calendar year.

Continued On Page 43

Let's Just Blame The Computer...

As a reader of the Journal, if you looked closely at the Repeater index last issue, you might have found some problems. Or maybe you were one of the 140 who didn't even get their Journal until mid June.

A computer was the culprit. For several years, the CVRA records of repeater indexes and membership list have been on a computer in Greensboro, N.C. Our able bodied computer man, Lindsay Cleveland, W4IZI moved to Illinois, but fortunately for us, he continued to keep our records via toll line in the Greensboro computer. But after a couple issues of the Journal and some other problems, the decision was made to transfer the CVRA program to the computer in Illinois!

Now this seemingly was a simple task....right! Wrong!!

The Illinois computer was a different kind from that one in North Carolina and required a complete re-write of the programming, which incidentally fills about 40 pages (The CVRA lists together — Requires some 500 Megabites of

Continued On Page 41

The REPEATER JOURNAL is published four times each year in the months of February, May, August and November free to members of the Carolinas-Virginia Repeater Association. Permission is granted for quoting from the REPEATER JOURNAL provided credit is given. The CVRA will swap newsletters with other Repeater Councils and News Organizations on request. The REPEATER JOURNAL has a circulation of 3,500 copies and is entered as Third Class Mail at the Post Office in Greensboro, N.C. The CVRA mailing address for membership is: CVRA, P.O. Box 5655, Greensboro, N.C. 27403. All news and Newsletters should be mailed to the editor, Wayne C. Williams, Route 1, Box 806, Colfax, N.C. 27235.

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NEWS AND AD DEADLINE FOR NOV—JAN. JOURNAL — OCT. 1, 1980

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CVRA ANNUAL MEETING AUGUST 30 AT SHELBY HAMFEST

CVRA President Lane Tarleton announced this week that the regular CVRA Annual Directors and Appointees meeting will be held August 30 at the Governor's Inn in Shelby, N.C. during the Shelby Hamfest weekend.

Two main topics on the agenda for the meeting will be:

(1) A new name for the Carolinas-Virginia Repeater Association. With the addition of two new districts in 1979-80, Tennessee and West Virginia, Directors have been selecting suitable names for the Organization to reflect the additional territory it will cover. Ballots have been mailed containing all the suggested names, and Directors will choose the most popular one at the Annual meeting.

(2) Nominating Committees for each District will be selected for upcoming Director and Vice Director elections. The President will select volunteers, or appoint 3 persons from each of the five CVRA Districts to nominate persons in their District for Director and Vice Director. Newly elected officials will take office Jan. 1 and serve for 2 years. (See Editorial this issue for nominating and electing procedure for Directors)

All CVRA Directors, Vice Directors, Officers and appointees are urged to attend the meeting. Full Repeater Members as well as any interested Associate Members or Amateurs are also cordially invited to join the group

Tarleton said details of the meeting and Dinner have yet to be worked out, however in past years, Dinner usually starts dutch treat in one of Governor's Inn banquet rooms at about 6:30. After Dinner, the Directors and Officers move into a short meeting, before opening for the general attendance for an overall meeting, which usually starts between 7:30 and 8:00 p.m.

New appointees in the CVRA named over the past year will be introduced to the group and General Membership and Full Membership will be discussed.

Some promotions with prizes will be considered as incentives for Amateurs who work to get new members in 1981.

Marie Presler, WA4YMM, Full Membership Chairman is expected to suggest some ideas on increasing full membership to enable the CVRA to realize a goal of majority of repeaters in the 5 States being represented by the CVRA.

Reports will be given by Directors, Membership committees, Officers, and the Publications Committee.

Tarleton again reminded of the importance of attending for Directors, Officers and Appointees on August 30 and he expressed a hope that everyone involved would make an extra effort to be at the meeting, which is one of only two meetings required of all officials each year.

CVRA PRESIDENT RECOVERING

Lane Tarleton, KC4CD, president of the Carolinas-Virginia Repeater Association reports he is "feeling much better" after major surgery in mid June. Lane, who is owner of G.I.S.M.O. Communications in Rock Hill, S.C. said he has been out of everything for the past 6 weeks, getting his strength back.

"The prognosis looks good", Lane said, "I should be back to my mean old self in a few months."

Tarleton said he fully expected to be recovered enough to get back on the job by August, and certainly be able to attend the CVRA annual meeting at Shelby August 30.

FULL MEMBERSHIP NOW TOTALS 175 REPRESENTING OVER 230 MACHINES

—by Marie Presler, WA4YMM
Full Membership Chairman

It was only a couple years ago that the CVRA was anticipating number 100 full member. Now the club is looking toward number 200 as 175 repeater groups had joined the organization by July for the 1980 membership year. Since many of the groups represent more than one repeater, this gives approximately 235 repeaters on all bands in the five CVRA Districts and Georgia representation in the CVRA.

We have a goal of 200 members this year. We may be able to make it if we work hard. A 50% representation of all repeaters in the 5 Districts would be about 350 repeaters, owned by about 300 clubs or individuals. To get a majority representation of all the Districts, we need to look for over 300 full member groups in the future.

With the participation and fantastic increase we have seen this year, it is quite possible we can attain this goal in 1981.

Adding Tennessee and West Virginia as Districts increased our Full Membership roster, but it also increased the total number of repeaters in CVRA territory by almost 150 to slightly over 700 repeaters in all 5 States.

We are looking for ways to get the message to new repeater owners about the CVRA. We need manpower, persons who will take time to write and encourage membership in the CVRA from repeater owners and clubs.

We haven't set a goal for 1981 yet, but that 300 full membership mark doesn't seem quite so far away as it did a couple of years ago. With your help, we can make it 300 in 1981. How about it???

TWENTY THIRD ANNUAL -

SHELBY N. C. HAMFEST

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SATURDAY PRIZE: Kenwood TR-2400, 2-Meter Hand Held Transceiver. DRAWING 5:00 P.M. SATURDAY.

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SUNDAY SECOND PRIZE: Kenwood TR-7800 2-Meter Transceiver

SUNDAY THIRD PRIZE: Dentron GLA 1000-B Linear Amplifier.

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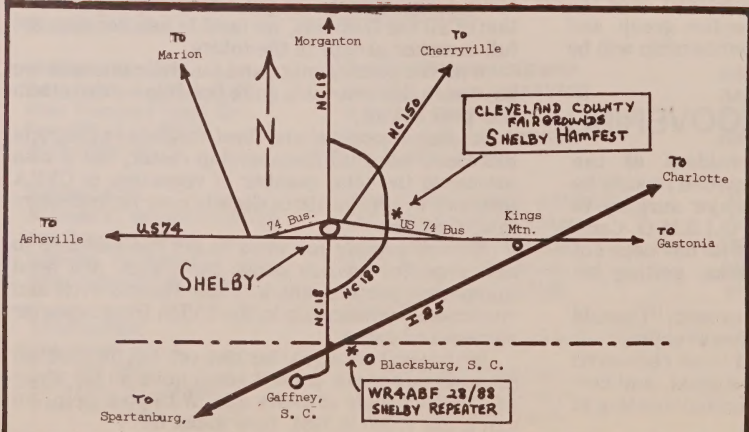

PLUS many, many more prizes.

Some of the motels in the area are listed below. They recommend that you call well in advance as their week-end business is good and reservations may be a problem.

SHELBY - Holiday Inn, Governors Inn, Hagers.

KINGS MOUNTAIN - Motor Inn

GASTONIA - Mid-town, Howard Johnson, Holiday Inn, Scottish Inn

GAFFNEY - Holiday Inn

FOREST CITY - Gardo's, Isothermal, Goode's

LINCOLNTON - Town & Country

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FOR FURTHER INFORMATION - Contact WD4DJA David Rose, 1516 Knox Drive, Shelby, N.C. 28150. Telephone (704) 487-5654. Week-end calls please.

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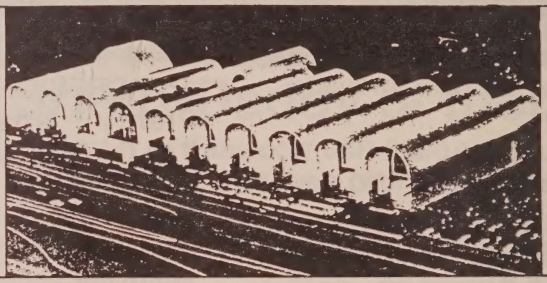

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ANOTHER GIANT UNLEASHED ON 2-METERS IN S.C.

—by Rich Tillotson, WA4SSJ

Editor's note: Along with the "tall tower" North Carolina 19-79 repeater this Spring, a 19-79 giant of a machine was also put on the air on the tallest mountain in South Carolina.

SASSIFRAS MOUNTAIN

The Anderson Radio Club of Anderson, S.C. unleashed a rockcrusher on 19-79 from atop Sassifras Mt. in Pickens County this past Spring. The repeater operates at full legal ERP of 100 watts over the Piedmont area of South Carolina from its perch on the highest mountain in the State.

The General Electric repeater, Sinclair Duplexer, and Decibel Products folded dipole array combine to bring about amazement to those operating the machine for the first time. Sassifras 19-79 was installed and placed into operation on June 7th.

The machine is housed in the repeater shack owned by the Altamont Amateur Radio Club of Greenville, alongside the 222.46-224.06 repeater which went on the air from the site in March.

Plans are being worked out to provide a hard-wire link between the two-meter and 220 mhz. machines, which will enable a 220 operator to call a friend who is operating on two meters and vice-versa.

The regularly scheduled net is called on the 19-79 machine now instead of the 37-97 machine which will remain in operation as a local repeater, located in downtown Anderson.

The Anderson club invites any and all stations who are able to check in with the Net Control every night and to join activity on their open repeater at any time.

NICE SHADY surroundings make a cool setting for the new 19-79 repeater house atop Sassifras Mountain in Pickens County S.C. The machine is housed in the same building with a 220 mhz repeater and was placed on the air in June.

REPEATER MEMBERSHIP

If you are a repeater owner and you notice there is an "N" beside your repeater listing, that means you are not a full member of the CVRA. You may join for only $8.00 per year and have the Journal delivered to TWO persons you wish to have receive it. Write the RepeaterMembership Chairman. His name is listed on page 2 of the Journal.

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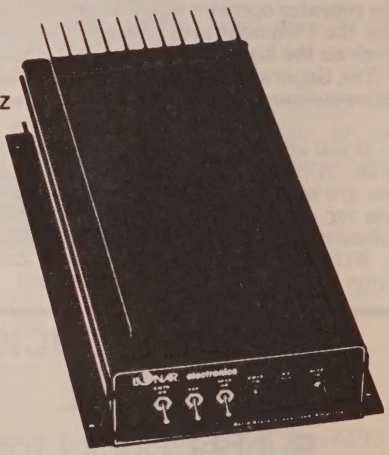

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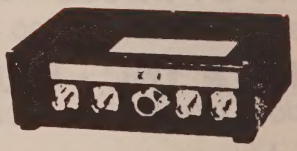

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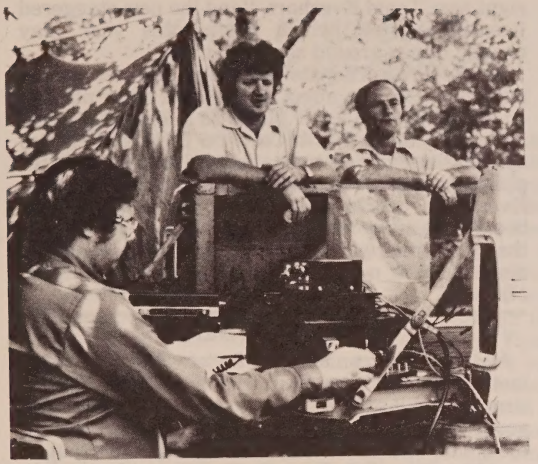


TAKING A BREAK, some of the Altamont ARC (S.C.) club members rest after hoisting up beams for all 4 VHF-UHF bands atop Sassifras Mountain. The club participated in the June ARRL VHF Contest. One club member checks out six meters to see that everthing is ready to roll at starting time.

VHF CONTEST OPERATED BY ALTAMONT ARC (S.C.)

—by Rich Tillotson, WA4SSJ

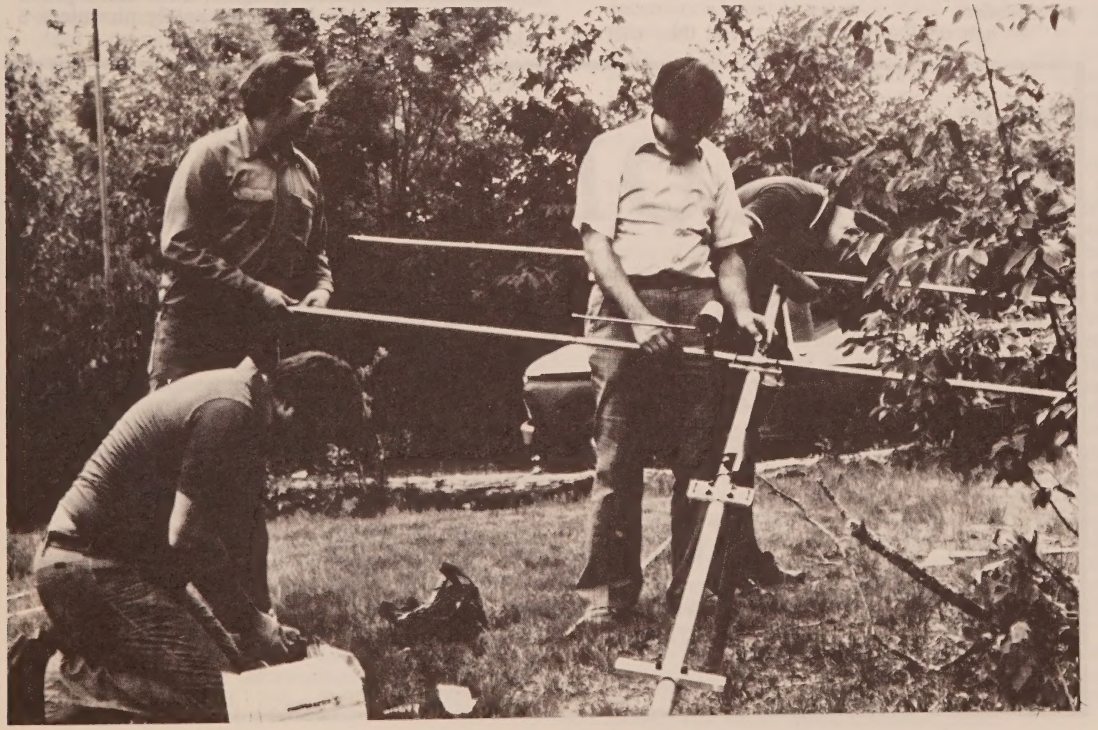
The Altamont Amateur Radio Club participated in the June ARRL VHF Contest from their repeater site atop Sassifrass Mountain in upper Pickens County in South Carolina.

The mountain, the highest in South Carolina provided an excellent VHF-UHF location for the group. The club operated Six Meters, Two Meters, 220 mhz. and 432 mhz. with very rewarding results.

Six Meters opened several times in different areas, providing extra section multipliers and contacts. Central America, Maritime Provinces, and Mid-West States were among those sections worked on Six. On Two Meters, North Texas, South Florida and Rhode Island were among the "goodies" worked.

The Altamont club estimates a score of about 6,100 points.

SIX METER BEAM goes together for the VHF Contest. Members of the Altamont ARC (S.C.) worked all 4 UHF-VHF bands during the weekend in June amassing about 6,100 Points. Club Members, Steve, AJ4N; Rich, WA4SSJ; Doug, KJ4X and Randy, WD4ADK lend a hand.



N.C. AMATEURS WILL STILL PAY HIGH FOR CALLSIGN PLATES

The General Assembly of North Carolina failed to get a new bill introduced during the 1980 session changing or repealing the $10 fee (in addition to regular $16 license fee) for Amateur Call Letter plates.

The price was changed in 1979 from $4.00 to $10.00 in a bill that was designed to encompass all special license plates and Amateur lobbiests were unable to stop the action.

Since that time, several groups in North Carolina have worked in an attempt to get the law changed to reflect a more reasonable cost for North Carolina Amateur license Call Sign plates.

Rae Everhart, K4SWN of Lexington, who has spent much time on the issue told the CVRA Journal that he hopes a bill can be introduced into Legislature next year to get the law changed.

Everhart said that several alternatives have been looked into, such as getting a one-time call sign plate and placing stickers on it each year for renewal as is the case with regular motor vehicle license plates. He said there was also a possibility of getting license call plates for motorcycles, and multiple call plates for Amateurs with two or more automobiles.

"We just don't know exactly what they will do right now," said Everhart, "and the new staggered licensing system which begins this year may change things around somewhat also."

Amateurs were quite upset when the new pricing structure went into affect last fall and many planned on not getting call letter plates as a form of protest. According to the North Carolina Dept. of Vehicles special licensing section, about as many call letter plates were sold for 1980 as were in previous years. Everhart reports this trend was probably set because so many new Amateur licenses were issued that year, plus with the new calls, many wanted to display their new call sign, for the first time. (Editor)

VU-DEVIATION METER

Not everyone can afford a factory built deviation meter for checking their FM deviation. A very simple circuit can be constructed that is amazingly accurate. Run a set of leads from your speaker to the 8 ohm side of an audio transformer (one out of an AM radio will do fine). On the other side which is usually 600 ohms, connect a VU meter, or DB meter. If level control is desired, insert between speaker and transformer. With no signal present, adjust audio level with squealch open to a "O" on the meter. Close your squealch, listen to audio and watch meter on incoming signal. If the meter peaks "O", then the audio is approximately plusminus 5 kc. deviation.

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WHAT IS WRONG WITH SIX METERS?

by Sid Purvis WA4VBC

Numerous articles have appeared in various ham publications recently, including a well written article in the Journal this past May by K4SE, concerning the shortage of spectrum for two meter repeaters. A look at the repeater index in the Journal will convience you very quickly that it will be difficult to find slots for many more two meter machines. Some have suggested, and I would tend to agree, that maybe we have about reached the saturation point with two meter repeaters. There are very few locations left in the State where you can not reach a repeater from the average mobile unit and most often you have a choice of several to choose from. Many articles in the Journal have suggested that we pool our resources, equipment, time, and talents to upgrade and support existing repeaters and more efficiently use existing repeaters as an alternative to putting on additonal two meter machines.

But we all know that hams are builders, experimenters, and communicators and more repeaters will be built by local groups to meet their communications needs. Many groups have found that a repeater is a basis for forming a club or society and I would guess that a need or desire for a repeater has brought more hams together within the past ten years than any other reason. A club sponsored repeater, if operated properly, will strengthen and add members to most any ham club. Many repeaters have been built just for the thrill of getting it to work, to experiment with equipment and sites, to accept the challenge of getting "ours" to work better than "theirs" and these are not bad reasons if there is spectrum available.

So granted that more repeaters will be built to meet our needs, where will we put them? 220 MHZ or 450 MHZ frequency space is plentiful at this time and the virtues of these bands have been praised by many who have ventured into the UHF region. I would like to suggest, however, that we look at six meters as a potential for some of our future repeaters. There is adequate frequency space available for many more repeaters and other than for just a very few simplex operators the band above 52 MHZ is practically un-used. This band has excellent propagation characteristics with coverage in most all instances that exceeds two meters and it experiences just enough band openings to make it interesting. With modern commercial or ham equipment, the old days of serious TVI problems have been eliminated. Commercial equipment for this band is dirt cheap as tube type RCA, GE, or Motorala mobile rigs are available at ham fests for $25 to $50 and occasionally you will find a solid state unit in the $150 or $200 range. Most of the major ham equipment manufacturers such as KENWOOD, ICOM, YAESU etc., now have multimode units for six meters so you can enjoy SSB and FM or smaller mobile type FM units are available if commercial gear is not your thing. Repeater equipment for six meters is readily available at no greater cost than for 146, 220, or 450 MHZ with the exception of duplexers. This can be overcome by using separate antennas at the same site or by using split sites with connection between the two by landline or UHF.

Now if all this sounds interesting, how about some of you that are considering putting up a repeater taking a serious look at six meters. I think you will find the necessary support. How about some of the well established repeater groups who have had a two meter machine for a number of years and want a new, fresh, project for the club. A six meter repeater may be worth discussing. I have heard numerous comments from hams recently expressing an interest in some wide coverage six meter repeaters and this may be worth considering by some of the super two meter repeater owners as some linking and crossbanding would really be interesting. I have a feeling that there is a lot of six meter FM equipment sitting around just waiting for someone to put up a repeater. We all enjoy using the very fine two meter repeaters in the CVRA area and we appreciate the efforts of those who have built and maintained them, but if you are thinking about putting up a new repeater or would like to try something different, what is wrong with six meters???

NOTE: Hams interested in a six meter repeater for the eastern part of North Carolina, please contact Sid Purvis, WA4VBC, 5111 Meadowbrook Drive, New Bern, North Carolina 28560.

VIRGINIA STATE ARRL CONV. HAMFEST OCTOBER 4 & 5

Tidewater Radio Conventions of Portsmouth announce the 5th annual Tidewater Hamfest, flea market, computer show and ARRL Virginia State Convention at the new Virginia Beach Arts & Conference Center on October 4 and 5.

The event will be held in 63,000 feet of air-conditioned exhibit and flea market area in the new center. Showtime is 0900 through 1800 Saturday and Sunday.

Special events aside from the ARRL convention include, DX, ARRL and technical programs, XYL Lounge and Free Bingo and hourly prize drawings. Directions to the center area take Highway 64 to Hwy. 44, which passes right by the door. Talkin will be on 13-73, 37-97 and 52 simplex. For advance registration or for information, write: Tidewater Radio Conventions, Inc., P.O. Box 7101, Portsmouth, Va. 23707.

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CVRA DISTRICT RAMBLINGS

(Complied by Journal Staff from various correspondence and sources)

PRATT W.VA. — W8FG reports his new 87-47 sub band repeater operating well. Lyle Gaston has joined the CVRA as a full member. The machine is listed under KINGSTON/LICK KB in the Journal Index. Coverage extends into the eastern part of Kentucky. (File & W4ACY)

• • •

MYRTLE BEACH S.C. — Gary Knox has coordinated the frequency of 72-12 for a new Myrtle Beach repeater. The machine is sponsored by the South Strand ARC. The Journal has no further information as to when the machine will be on the air. (W4YPD, Jack)

• • •

DURHAM, N.C. — Gene Beaver, W4PVI and two other amateurs in the Durham area report their 10-Meter remote base is now operational and linked into a new two meter repeater operating on 146.415-147.015. The 10-Meter remote base is on 29.60 mhz. (WA4BVW, Ken)

• • •

LYNCHBURG, VA. — The Virginia Teletype Society is planning to expand coverage to the Shenandoah Valley by linking the RTTY 705-105 Evington repeater to the 675-075 Afton Mt. repeater. Coverage should extend from the Evington, Lynchburg, Roanoke area up into Harrisonburg, Culpepper, Staunton, Charlottesville. The link will be hopefully completed by the time you read this after several delays in the Spring. Later a possible link from Afton to the Petersburg-Richmond area is being discussed. The Evington-Afton link will be up in the evenings only at the beginning, and open to voice and RTTY. RTTY nets are held by the VTS every Monday night at 8 p.m. (WB4JBJ, Larry)

• • •

CHARLOTTESVILLE, VA. — Ron Richey, K4RKA reports their WR4ATZ repeater is now on the air on Carter Mountain. The 449.25-444.25 machine is open with coverage approximately 25 miles in all directions. A 6-meter Remote Base is planned in the near future along with a 10-meter Remote Base. These will be linked into the 325-925 Charlottesville 2-meter machine. (Ron, K4RKA)

• • •

EDEN, N.C. — The 84-24 Eden repeater is back on the air after having some difficulty this past Spring. The VHF Engineering transmitter and receiver has an amplifier and Janel preamp. The machine is located at the home of WB4CTZ and WA4ACP in Eden, near the Miller Brewing Co.. The machine with High gain antennas is now reported doing well. (Kerry, WA4ACP)

• • •

BOCO RATON, FLA. — Capt. William D. Mauldin, KA4JUL wrote the Journal editor a note recently about aeronautical mobile over the States. Bill said his Kenwood TR2400 and "35,000 ft. antenna" does a super job. The National Airplanes pilot said he flies over North Carolina on a regular schedule and occasionally talks to several friends. (He mentioned Don Harris, W4BUZ as keeping a regular sked with him). Bill said the pilot hams usually use the simplex frequencies of 145.575 to talk with each other in flight, both air to air, and air to ground QSO's. (Bill, KA4JUL)

• • •

LOCUST, N.C. — Dex reports the Locust 220 repeater now seems to be operating well. The 222.40-224.00 machine was originally located at his home. A move to a tall water tower in Locust to improve coverage began with much interference, but the group worked and finally found the source and removed it. The machine has about 50 mile mobile coverage, with pattern favoring the East. He said they hope to increase xmit power by 6 to 9 db in the future to balance the machine, from the present 15 watts to 60 to 90 watts. (Dex, WA4ZIA)

• • •

WINSTON-SALEM, N.C. — Jim Covington, WA4YHH has coordinated the frequency of 223.04-224.64 for a new 220 machine just East of Winston-Salem at his home. (Ken, WA4BVW)

• • •

ROBBINSVILLE, N.C. — The WR4BAN repeater group operating on 445-045 has oriented their antenna toward Chattanooga, trying to get away from simplex operation on their input frequency around the Atlanta, Ga. area. (Editor's note: Several reports have been coming in of Amateurs disregard for repeater inputs and using simplex on them. You would think we had enough simplex frequencies available without using official repeater inputs.)

• • •

MORGANTON, N.C. — WB4PML reports his 223.36-224.96 repeater is on the air and doing well. A 220 repeater for the area has been long needed, with operaters being on 220 for several years with no repeater to use for local coverage. (Ken, WA4BVW)

• • •

BURNSVILLE, N.C. — The Burnsville repeater WA4LLR/R is now on the air on 975-375 and providing excellent coverage of the area. The machine occasionally is heard in Winston-Salem, and Eastward. (Ken, WA4BVW)

• • •

GREENEVILLE, TN. — Ralph Bible, K4MIJ is reportly constructing a Fast-Scan TV repeater for the Greeneville area. The K4OTM/R repeater will operate on 439.25-427.25. No on-air date has been announced for this unique new machine. (Wayne, K4MOB)

Continued On Page 32

bluefield bluefield

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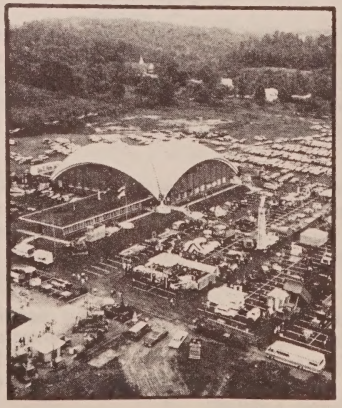

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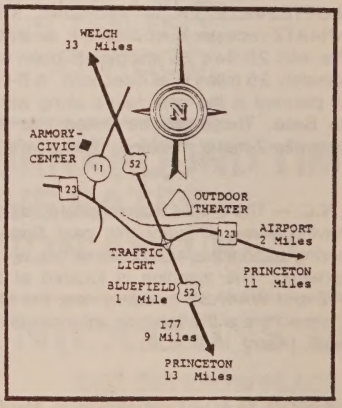

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REPEATER JOURNAL HONOR ROLL

The persons listed below will be receiving a handsome certificate plus retain their place on the CVRA Journal Honor Roll for their outstanding and unselfish assistance to our organization. If you would like to be recognized and your name put on our Honor Roll, all you have to do is sign up 10 or more people as Associate Members. When you have verified that they have sent in their applications, send their callsigns with YOUR name, call and address to the "Repeater Journal" editor. His name is on page 1. Your name will appear the very next issueon the Repeater Journal Honor Roll. CVRA Officers, Directors or appointees are not eligible for this award.

Marie Pressler, WA4YMM
Fayetteville, N.C.

Mecklenburg Amateur Rad. Soc.
Charlotte, N.C.

L. Phil Wicker, W4ACY
Greensboro, N.C.

Don (Andy) Anderson, WD800R
Bluefield, W. Va.

GET ON THE REPEATER JOURNAL HONOR ROLL JUST SIGN UP 10 AS ASSOCIATE MEMBERS. ITS THAT EASY! ! ! ! !

(Journal Editor Must be Notified For entrant to be eligible)

SORRY YOU GOT MISSED IN MAY

With a changeover in computers from Greensboro, N.C. to Illinois and new programming being required, a glitch in the computer caused approximately 140 CVRA Members not to get their Journals in the May mailing.

The error was discovered after several complaints came in later in May. A check of old rosters told Larry McLaurin, Associate Membership Chairman that the computer had dumped members who had calls with letters beginning in "U" and "V".

A quick call to Lindsay in Illinois confirmed the fact, and the computer problem was solved. Larry with some assistance took a printout, and with some store bought labels, typed the 140 missing labels and got them in the mail early June.

So to the members who were eaten by the computer, we apologize for your delay in getting the Journal. We think we have the problem straightened out now so it won't happen again. (Editor)

LIMITED CVRA DECALS LEFT

We have a limited supply of CVRA Decals left for anyone who has not gotten theirs yet. If you want one of these attractive peel-off stick-on multiple color Decals confirming you as a member of the CVRA, send SASE plus 25¢ for each decal desired to: CVRA Decal, Route 1, Box 806, Colfax, N.C. 27235. Supplies are very limited, only about 100 left.

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CVRA Cover Story

SECOND NORTH CAROLINA "TALL TOWER" REPEATER IN OPERATION

HERE JOHN BROADAWAY, K4VUW, our Cover person again with his hat on. John spent some time looking at a fabulous sight, across Piedmont North Carolina from a platform at 1,700 feet above ground, site of the new K4VUW 19-79 Level Cross repeater.

- by Lee Brady, W4RPC

Editor's Note: For the second time in a year, North Carolina hams on 2-meters have been excited by a new "tall tower" repeater. The first was the end of 1979 when Danny, K4ITL got his 28-88 repeater on the Channel 5, WRAL Raleigh, N.C. 1,800 foot tower. In early June, Lee Brady, W4RPC, Lee Wimbs, WA4JLT, John Broadaway, K4VUW and Frank Willis, K4VUU realized their dream, their 19-79 repeater went on top of the WFMY, Channel 2, Greensboro, N.C. 2,000 ft. tall tower. The machine worked to perfection from the beginning, and the first weekend, the band was open, and the most "fantastic" two meter contacts ever made from the Greensboro area were made through this new machine. As the band shut down the next week, contacts still continued to come in from places much farther than the 4 WFMY Hams ever imagined. Around the middle of June, WFMY-TV began transmissions from the tower, as was expected the 19-79 repeater went haywire with RF. The machine had to be turned off because of all things, the elevator on the new tower was not operating properly and they couldn't get up to fix the Amateur repeater. A couple weeks later 19-79 was adjusted, some resonators placed in the line, and it continued its fabulous operation. Here is the story of 19-79 as told by Lee Brady.

THE MOVE TO THE BIG TOWER

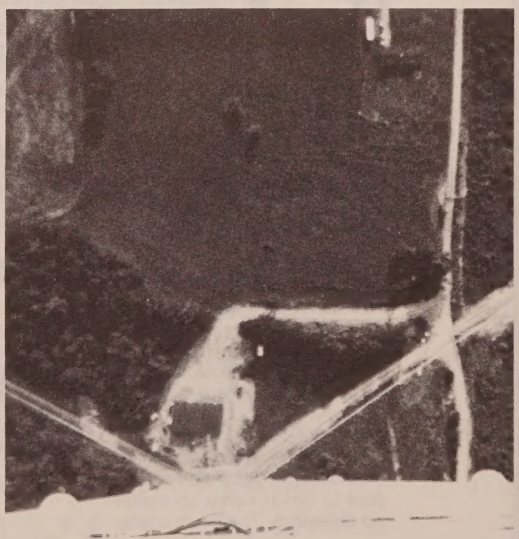
On the afternoon of May 28, 1980 at about4 P.M.I received a call from Jim Key, WA4FUV. He stated that the tower crew had knocked off their regular job and was ready to put the 19/79 repeater at the 1710ft. level of WFMY-TV's new television tower.

Jim asked a couple of questions which sent three other hams in to "panicsville". He wanted 15ft. of heavy duty ac cord; one female heavy duty ac connector; requested the use of some Belden 8412 instead of hardline, and one more "body" right away. He wanted all this NOW. Needless to say, he received all his requests. John Broadaway K4VUW was the "body" and the bearer of the requests. Later, John kept me informed of the progress of the machine on the elevator ride by phone.

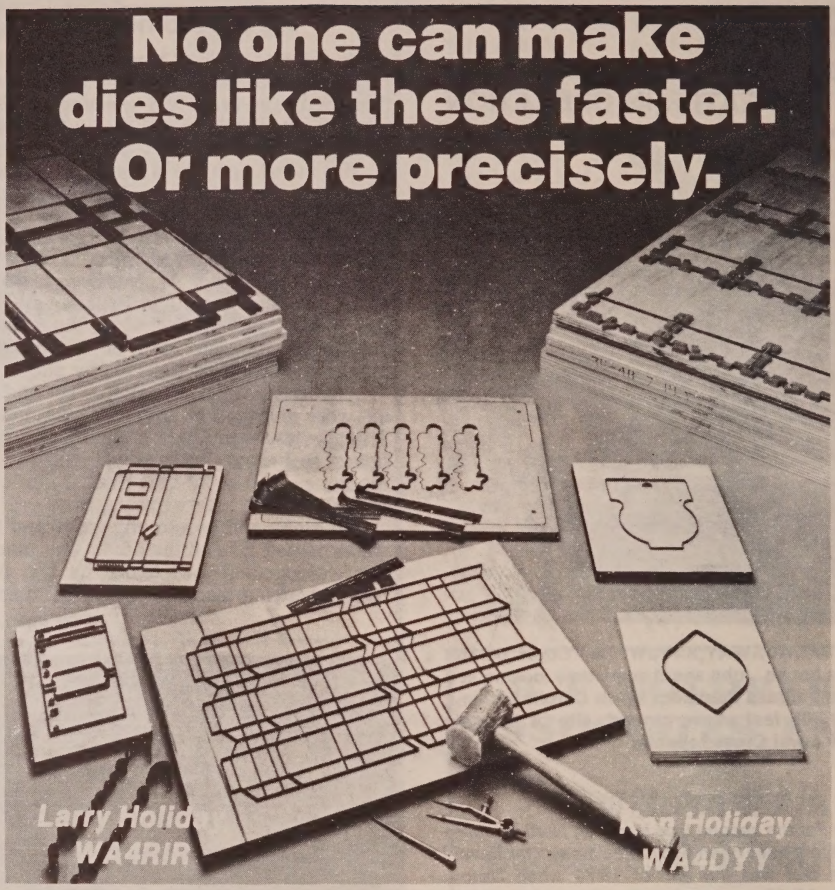
At about 6:15PM, Frank K4VUU and I were leaving work and the 19/79 repeater was loud and clear. Things were very hectic during the previous two hours, so I'm not positive who was the users of the machine. I do know that Frank, Jim's wife Betty, WA4KAD, and I were among them.

All along and over many trials and tribulations, we expected good things from the machine, but it has exceeded all our hopes by far. Never will I forget working the machine and Jim Briles K4DSX

Continued On Page 20



DON'T LOOK DOWN! Those little figures down there are trees, houses and a road. This is a birdseye view from 1750 up on the Channel 2 "Tall Tower" just South of Greensboro N.C. The K4VUW 19-79 repeater came on the air in early June from this perch. The tower and TV antenna tips out at 2,000 feet.



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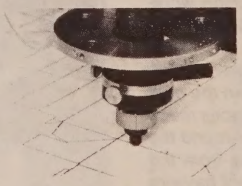

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HAMFEST SURVEY RESULTS NOT COMPLETE IN TIME

—by Wayne C. Williams, Editor

Response to the May Hamfest Survey was very good. We estimate approximately 200 forms were completed and returned to the CVRA.

Unfortunately due to the complexity of tallying the extended survey, and lack of time and manpower, we are unable to publish the results this issue. Much spare time during the past weeks was spent getting membership rosters and repeater indexes corrected for the computer.

Initial results of the survey are quite surprising and it is hoped that Hamfest producing clubs may benefit from the final results of the quite indepth survey. Over 50% of the entries had additional comments about hamfests and we even had one lady ham who let us know in no uncertain terms that she did not (1) bring her wife (2) girlfriend to hamfests when she came. She brought her HUSBAND. (I guess the male chauvinism of this editor is coming out. I am constantly reminded of this when I look at my three PIG awards presented to me 3 years in a row by the Ladies In Amateur Radio Society of Greensboro.) We should have considered this when we wrote the survey and added Husband to the question we asked about wife or girlfriend going with you to hamfests. Sorry!

We will try to tally the results of the Hamfest Survey and publish it in the November-January issue of The Journal.

REPEATER LINKING NEWS NEEDED

There are quite a few repeaters in the various districts who are linking. The Journal would like to have your story. We could use the information to tell our readers how you did it, what it would cost, and how many problems occurred. We can also use the information in our files.

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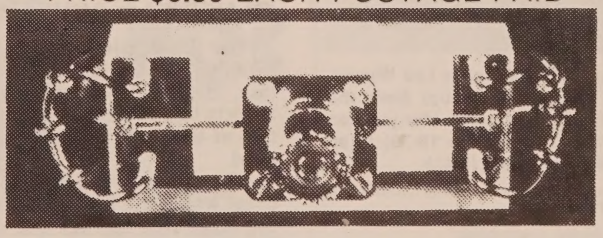

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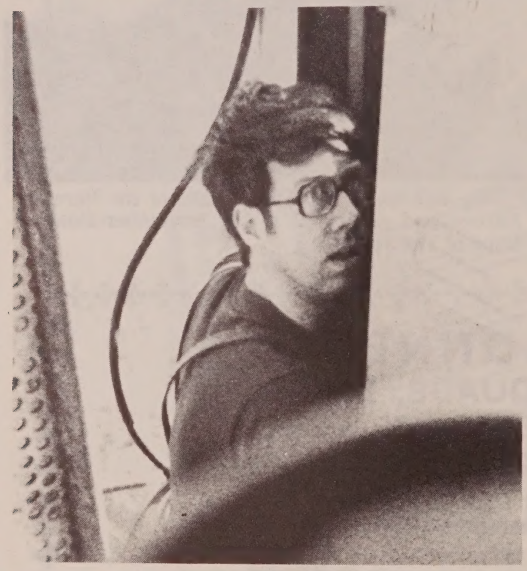
SECOND NC TALL TOWER

Continued From Page 17

with full quieting from the bridge over the inland waterway at Yaupon Beach with a gutter mount antenna on Friday night after the big elevator ride. Sure, I know conditions were right, but it was a good feeling anyway. It was also a good feeling to go over to Lynn Smiths house at the beach the next morning and help him turn his atenna so he could work the machine and talk to his friends toward Greensboro. It made no matter that he was so engrossed in talking to Stu (WA4MYQ) that he didn't say "bye".

I won't bore you with any of the jargon that led the repeater to it's present site. I will tell you this: When the contract was first let out on the new tower, one of the first questions asked was, "will you put a platform at the 1700ft. level for a ham repeater"?



ME AFRAID? Why should I be afraid says Lee Wimbs, WA4JLT, its only 1750 feet down (or up) from the ground. If you look closely over Lee's shoulder you can see trees. Lee is busy checking out the 19-79! "Tall Tower" repeater south of Greensboro (N.C.)

Some facts on the machine:
1) GE Master Pro
2) Phelps-Dodge Duplexor
3) Super Station Master Antenna
—All the above units are located at the 1710ft. level of the tower.
—The center of radiation for the antenna is at 1725ft.
—Power to the base of the antenna is 22 watts.
—The location is near Level Cross, N. C. South of Greensboro.
—There are no plans for an auto patch at this time.

We are most proud to provide this repeater to the hams everywhere. All we ask in return is, "Use, Don't abuse". We, the owners, don't even mind that the machine has been so busy, that we've had to go to some of the other machines for our contacts.

The following word of Thanks will no doubt cause us some embarrassment because always we leave someone out. Nevertheless, Danny, K4ITL has to be mentioned, if for no other reason, he doesn't show he's angry when he picks up the phone and I'm on the other end asking questions. Wayne, K4MOB for acting as Net control for the first couple of nights to keep some degree of order when it seemed everyone everywhere wanted to call in to the machine.

Frank, John, Lee and myself appreciate all the kind words you've had to say about the machine. We hope it serves you a long time.

A note of interest: Lee Wimbs (WA4JLT) and John Broadaway(K4VUW) worked on the repeater on Sunday June 1, nailing it down to the platform. On their arrival at the site, they found the 250KW generator running supplying power to the entire site including the repeater. It seems that the power company had lost one phase at some point; the sensor detected this and started up the generator. About 6 hours running time was on the generator.

We leave you with this request. Please limit your use of the machine when operating fixed station to fixed station. If your QSOs can be handled on Simplex, leave the machine for others to use. Stop to think when operating as a group. Even though you leave pauses for breaks, there might be others that desire using the machine to talk to someone else. Remember, it has proven to be a wide area coverage machine with emergency power. At any point in time, there could be a situation that called for an immediate need to communicate. Short transmissions would be ideal.

BLUEFIELD (WV) HAMFEST AUG. 24

The East River Radio Club announces their Bluefield, W. Va. hamfest to be held at the new location, Bluefield Armory on August 24. The club reports this to be the only area hamfest in this portion of the State and attendance is expected to be good.

The group moved to the Bluefield Armory for the event which will provide air-conditioned comfort for the large flea market and dealer showrooms. The hamfest will start at 9:00 a.m. and end at about 4:00 p.m. after prize drawings.

Bluefield Hamfest '80 will feature many special programs and other attractions plus ladies entertainment. Talkin will be on the East River Mt. sub band repeater 89-49. Further information may be obtained by writing to the East River Radio Club, 2113 Hemlock Hill, Bluefield, W. Va. 24701.

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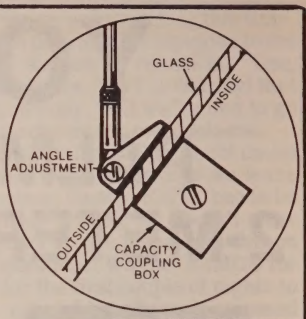
New 2 Meter Avanti Mobile Antenna

Mounts on glass — no holes!



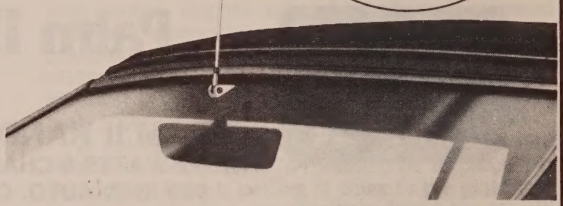
- **Receives and transmits through glass.**
- **Superior performance equivalent to 5/8 wave.**
- **Superior radiation full Omni-Directional.**

It's easy to install — No holes to drill, no magnet to scratch the paint, no clamps. Uses an especially developed epoxy adhesive that secures antenna to window like a 1/4″ bolt. The capacity coupling box is simply attached with a special adhesive tape to inside of window. Worried about crimping or corroding coaxial cables? It's all inside and out of sight.

Models also available for 220 MHz and 450 MHz.

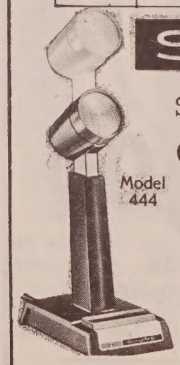
AH 151.3G SPECIFICATIONS

Gain	Equivalent to 5/8 wave
2 meter V.S.W.R. Band Width	Better than 1.5:1
Maximum power	150 watts
Nominal Impedance	50 Ohms
Chrome plated casting, Stainless Steel hardware, Swivel whip holder	
Height	33″
Performance and Mechanical Patents Pending	



Sugg. List $33.95 — Our Price $29.95

Saxton No.	RG Type	AWG Standing Dia. In.	Dielectric OD	Shield	Nom. OD	Nom Imp.	Vel. Prop.	Nom. Cap/ft.	Nom Atten Mhz	Nom Atten db.
8286	8/U	11AWG	FOAM	1 Bare	.405	50	78%	26.0	50	1.0
SAXTON		19x24	.285						100	1.5
		BC							200	2.1
25¢ per foot. Min. 50 ft multiples									400	3.5
RG8/U Co-ax Lo-loss cable									600	5.0
					Jacket: Gray vinyl				1000	6.8



SHURE

Sugg.List $70.95

Our Price $36.00

WHISTLER

BETTER BY DESIGN

RADAR EYE

RE-55XK MULTI-BAND

Sugg. List $159.95

Our Price $99.95

IRMO ELECTRONIC SUPPLY

VISA

master charge

4512 St. Andrews Road

(across from Allied Chemicals)

Columbia, S.C. 798-7111

Add $2.00 insurance & shipping on cable. All other items add $1.50 insurance & shipping cost.....

DISTRIBUTION OF REPEATERS BY FREQUENCY

The By City Index Appears On Following Pages

TWO METERS

6.01 /6.61	GREENSBORO	NC
	NEW BERN	NC
	GRNVLE/CSRS HD	SC
	MYRTLE BEACH	SC
	CHATTANOGA	TN
6.01 /7.51	MEMPHIS	TN
6.01 /6.61	NASHVILLE	TN
	BRUMLEY MT	VA
	LYNCHBURG	VA
	VIRGINIA BEACH	VA
6.01 /6.01	SPENCER	WV
6.025/6.625	HENDERSONVILLE	NC
	LAURINBURG	NC
	NEW MARKET	VA
6.04 /6.64	HENDERSONVILLE	NC
	RALEIGH	NC
	WINSTON-SALEM	NC
	SUMTER	SC
	MADISON	TN
	MEMPHIS	TN
	RICHMOND	VA
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	COOKEVILLE	TN
	LAFOLLETTE	TN
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	BARREN SPRINGS	VA
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6.07 /6.67	LEXINGTON	VA
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	RAVENSWOOD	WV
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	STATESVILLE	NC
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	LANCASTER	SC
	GREENEVILLE	TN
	MANCHESTER	TN
	MEMPHIS	TN
	UNION CITY	TN
	DAN/WHT.OAK MT	VA
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6.115/6.715	SPRING LAKE	NC
	STERLING	VA
6.13 /6.73	RALEIGH	NC
	SALISBURY	NC
	WILMINGTON	NC
	N. AUGUSTA	SC
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	LEBANON	TN
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	FOREST	VA
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	WHEELING	WV
6.175/6.775	ELIZABETHTOWN	NC
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	ANDSN/SASFRAS MT	SC
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	SWAINSBORO(GA)	SC
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	JOHNSON CTY	TN
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6.19 /6.79	NASHVILLE	TN
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6.205/6.805	GASTONIA	NC
	WASHINGTON	NC
6.22 /6.82	DURHAM	NC
6.22 /6.82	ROARING GAP	NC
	WILMINGTON	NC
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	LYONS(GA)	SC
	LAKE CITY	TN
	MEMPHIS	TN
	WINCHESTER	TN
	COVINGTON	VA
	WINCHESTER	VA
	CHARLESTON	WV
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6.235/6.835	ASHEVILLE	NC
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6.25 /6.85	GOLDSBORO	NC
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	COVE MTN	TN
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	OAK RIDGE	TN
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6.31 /6.91	AHOSKIE	NC
	ASHVL/SPVY MT	NC
	FAYETTEVILLE	NC
	LEXINGTON	NC
	WHITE HALL	SC
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	SHORT MT.	TN
	FARMVILLE	VA
	JONESVILLE	VA
	RIPPLE MEADE	VA
	TYSONS CORNER	VA
	COTTAGEVILLE	WV
	FAIRMONT	WV
	MCMECHEN	WV
6.325/6.925	CHARLOTTESVILLE	VA
	DANVILLE(DCC)	VA
6.34 /6.94	ASHEVILLE	NC
	BURGAW	NC
	CHARLOTTE	NC
	DURHAM	NC
	MANTEO	NC
	CHARLESTON	SC
	COLUMBIA	SC
	GREER	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	HAMPTON	VA
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	ROANOKE	VA
	BECKLEY	WV
	NEW MARTINSVLLE	WV
	RICHWOOD	WV
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	SAVANNAH(GA)	SC
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	KNGSPT/BAYS MT	TN
	MEDINA	TN
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	MANASSAS	VA
	VIRGINIA BEACH	VA
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6.385/6.985	ALBEMARLE	NC
	ROANOKE	VA
6.40 /7.00	HIGH POINT	NC
	JACKSONVILLE	NC
	MARION	SC
	PICKENS	SC
6.40 /7.54	KNOXVILLE	TN
6.40 /7.00	MEMPHIS	TN
	SUFFOLK	VA
	ST ALBANS	WV
6.415/7.015	DURHAM	NC
	RALEIGH	NC
	BLUEFIELD	VA
	BLUEFIELD	WV
6.43 /7.03	ERWIN	NC
	ROCK HILL	SC
	BLACKSBURG	VA
6.445/7.045	ROBBINSVILLE	NC
6.46 /7.06	CHARLOTTE	NC
	ELIZABETH CITY	NC
	MEMPHIS	TN
6.46 /7.06	SOUTH BOSTON	VA
	PRINCETON	WV
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6.49 /7.49	AHOSKIE	NC
6.655/6.055	BROWNSVILLE	TN
	UNION CITY	TN
6.685/6.085	WAVERLY	TN
6.715/6.115	PULASKI	TN
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7.255/6.835	LEXINGTON	SC
7.30 /7.90	MONROE	NC
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	CHATTANOGA	TN
	CLARKSVILLE	TN
	TERRA ALTA	WV
7.615/7.015	SUMTER	SC
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	FREDRICKSBURG	VA
7.63 /7.03	GREENSBORO	NC
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7.645/7.045	ELLIS KNOB	VA
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	VIRGINIA BEACH	VA
7.66 /7.06	MACO	NC
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7.705/7.105	MONROE	NC
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7.72 /7.12	GAST/SPCR MT	NC
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7.78 /7.18	MT AIRY	NC
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7.78 /7.17	MEMPHIS	TN
7.78 /7.18	NASHVILLE	TN
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7.795/7.195	LAKE TOXAWAY	NC
7.81 /7.21	GREENSBORO	NC
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	LITTLE MT	SC
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	JACKSON	TN
	HIGH KNOB	VA
	MCLEAN	VA
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	MORRISTOWN	TN
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	FRANKLIN	NC
	PINE BLUFF	NC
	SHELBY	NC
	COLUMBIA	SC
	GALLITIN	TN
	MEMPHIS	TN
	PETERSBURG	VA
	WOODBRIDGE	VA
7.855/7.255	ASHEBORO	NC
	SHENANDOAH	VA
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7.87 /7.27	BENSON	NC
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	WAYNESVILLE	NC
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	NASHVILE	TN
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7.885/7.285	LYMAN	SC
7.885/7.285	MARTINSVILLE	VA
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	NASHVILLE	TN
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7.96 /7.36	BOONE	NC
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	GREENVILLE	NC
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	NASHVILLE	TN
	PARIS	TN
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7.975/7.375	BURNSVILLE	NC
	NASHVILLE	TN
	STAUNTON	VA
7.99 /7.39	CHARLOTTE	NC
	EDEN	NC
	EDENTON	NC
	DAYTON/RHEA CTY	TN
	JONESBORO	TN
	MEMPHIS	TN
	NASHVILLE	TN
	PETERSBURG	VA
8.01 /3.99	MEMPHIS (MARS)	TN

NORTH CAROLINA REPEATERS

TWO METERS

AHOSKIE	WR4AFB	146.31	146.91	N	PA
AHOSKIE	WB4YNF	146.49	147.49	N	AT
ALBEMARLE	WR4BBX	146.385	146.985		
ASHEBORO	WR4AOE	147.855	147.255		PA
ASHEVILLE	WA4QCO	146.235	146.835		
ASHEVILLE	WA4QCO	146.34	146.94	N	
ASHVL/MT PISGAH	WA4BVW	146.16	146.76		
ASHVL/SPVY MT	WB4PLA	146.31	146.91		A
BENSON	WR4ARL	147.87	147.27	N	PA
BOONE	WR4ATQ	147.96	147.36		PA
BRYSON CITY	K4BBF	144.70	145.30	N	P
BURGAW	K4LZY	146.34	146.94		
BURLINGTON	WR4AKY	146.07	146.67	N	
BURLINGTON	W4VGZ	146.475	147.075		EA
BURNSVILLE	WA4LLR	147.975	147.375	N	
BUTNER	WA4IZG	144.57	145.17	N	P
CHARLOTTE	WR4AEU	144.63	145.23	N	P
CHARLOTTE	WB4HTR	144.75	145.35	N	P
CHARLOTTE	WD4LCF	144.85	145.45		
CHARLOTTE	WR4AEU	146.34	146.94	N	A
CHARLOTTE	WR4ALO	146.46	147.06	N	A
CHARLOTTE	WR4AWQ	147.99	147.39		PA
CHIMNEY ROCK	WA4KNI	147.735	147.145	N	P
CONCORD/KANNAP.	K4CEB	146.055	146.655		A
DUNN	WB4FXM	146.10	146.70		
DURHAM	WA4WTX	146.22	146.82		
DURHAM	WA4BFT	146.34	146.94		
DURHAM	W4PVI	146.415	147.015	N	L
EDEN	WA4ACP	147.84	147.24	N	
EDEN	WD4DIP	147.99	147.39		
EDENTON	WA4JOK	147.99	147.39	N	C
ELIZABETH CITY	WA4VTX	146.46	147.06	N	A
ELIZABETHTOWN	W4DCD	146.175	146.775	N	P
ERWIN	WR4ALY	146.43	147.03	N	
FAYETTEVILLE	WR4ANN	146.31	146.91		A
FAYETTEVILLE	W4LPL	147.93	147.33		
FOREST CITY	WR4AHA	146.07	146.67	N	A
FRANKLIN	WB4YAO	147.84	147.24		
FRANKLIN	N4AC	147.96	147.36	N	
GAST/SPCR MT	WR4ATP	147.72	147.12		A
GASTONIA	K4ZFD	146.205	146.805	N	L
GASTONIA	WD4KGM	147.87	147.27	N	
GASTONIA	WR4	147.90	147.30	N	P
GOLDSBORO	K4CYP	146.25	146.85		A
GREENSBORO	N4AZM	144.66	145.26	N	
GREENSBORO	K4SNI	146.01	146.61		A
GREENSBORO	WR4AOD	146.16	146.76	N	
GREENSBORO	WD4IPZ	147.63	147.03		A
GREENSBORO	WR4ANL	147.81	147.21	N	
GREENVILLE	WD4JPQ	147.81	147.21	N	P
GREENVILLE	WR4	147.96	147.36	N	P
GREENVL/ESTN NC	W4GDF	147.69	147.09		A
GRIFTON	W4NBR	146.085	146.685		C
GRIFTON	WR4ABP	146.16	146.76		
HAYESVILLE	WD4KTG	147.69	147.09		
HENDERSONVILLE	WB4YAO	146.025	146.625		P
HENDERSONVILLE	WB4YAO	146.04	146.64		L
HICKORY/BRT. MT	WR4ACM	146.25	146.85	N	
HIGH POINT	N4XO	144.51	145.11	N	P
HIGH POINT	WA4ZXA	146.265	146.865		PA
HIGH POINT	K4AZA	146.40	147.00		PA
HIGH POINT	K4AZA	147.60	147.00		PA
HILLSBOROUGH	WA4WTX	147.825	147.225		A
JACKSONVILLE	WD4FVO	146.40	147.00		
JACKSONVILLE	WR4ATW	147.90	147.30		
KINGS MTN	WR4AYN	146.37	146.97		
LAKE TOXAWAY	WR4AGH	147.795	147.195		
LAURINBURG	WR4AOX	146.025	146.625		
LENOIR	WR4ARG	147.93	147.33		
LEVEL CROSS/GBO	K4VUW	146.19	146.79		
LEXINGTON	WD4NTE	144.81	145.41	N	P
LEXINGTON	K4IZM	146.31	146.91		PA
LILLINGTON	WA4FKI	144.87	145.47		
LINCOLNTON	WD4PLY	144.85	145.45		
LUMBERTON	WR4BDQ	147.96	147.36	N	A
MACO	K4OVA	147.66	147.06		
MANTEO	W4PCN	146.34	146.94		PA
MONROE	K4BGU	147.30	147.90	N	
MONROE	WR4BBN	147.705	147.105		A
MORGANTON	WB4PML	144.57	145.17		LP
MORGANTON	K4AI	147.75	147.15		
MT AIRY	AA4RW	144.73	145.33	N	
MT AIRY	WB4UJH	146.37	146.97		
MT AIRY	WA4CQK	147.78	147.18	N	
MT PISGAH	WA4COS	144.65	145.25	N	P
N. WILKESBORO	K4ITL	144.77	145.37		
NEW BERN	WD4JMS	146.01	146.61		PA
NEWPORT	K4GRW	144.85	145.45		
NEWTON	N4AWV	144.83	145.43	N	P
PINE BLUFF	WR4BAR	147.84	147.24	N	
RALEIGH	N4BEA	144.89	145.49		A
RALEIGH	WR4ACF	146.04	146.64		
RALEIGH	WR4	146.13	146.73		
RALEIGH	WR4AOE	146.28	146.88		
RALEIGH	W4PVI	146.415	147.015	N	L
RALEIGH	WR4AOE	147.75	147.15		PA
REIDSVILLE	K4YFT	146.25	146.85	N	
ROANOKE RAPIDS	K4PUV	147.63	147.03		
ROARING GAP	WB4PZA	146.22	146.82		
ROBBINSVILLE	WR4BAN	146.445	147.045		
ROCKINGHAM	WA4ULA	146.355	146.955		
ROCKY MOUNT	WD4HIG	147.72	147.12		A
SALISBURY	W4EXU	146.13	146.73		
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	WB4SNA	144.79	145.39	N	CL
SHELBY	KB4AF	146.28	146.88		
SHELBY	WR4AWU	147.84	147.24	N	
SHELBY	KB4AF	147.945	147.345		A
SMITHFIELD	WR4BBO	146.37	146.97		A
SPRING LAKE	WR4BCA	146.115	146.715	N	
STATESVILLE	WR4AZS	146.085	146.685		PA
SYLVA	KA4V	147.90	147.30	N	
TRINITY	WD4KUN	144.69	145.29	N	P
TUCKASEGEE	W8MOV	147.90	147.30	N	
UNION CROSS	WB4RGV	147.915	147.315	N	
WADESBORO	W4USH	146.235	146.835	N	
WASHINGTON	WB4GMI	146.205	146.805	N	
WAYNESVILLE	N4SM	147.87	147.27		PA
WILLIAMSTON	WA4TKJ	144.81	145.41		
WILMINGTON	WR4AVF	146.13	146.73		
WILMINGTON	WR4AHL	146.22	146.82		
WINSTON-SALEM	W4HKB	144.59	145.19	N	P
WINSTON-SALEM	WA4GIC	146.04	146.64		A

220 MHZ

ASHVL/MT PISGAH	WR4AEV	222.34	223.94		
CHARLOTTE	WR4AEU	222.36	223.96	N	P
CHERRYVILLE	WB4UDS	223.20	224.80	N	
FAYETTEVILLE	WR4ADK	222.42	224.02		
GREENSBORO	KZ4O	223.22	224.82		RT
HICKORY	WR4ACM	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92		PA
HILLSBOROUGH	WA4WTX	222.34	223.94		
LOCUST	WR4BBA	222.40	224.00		
MORGANTON	WB4PML	223.36	224.96		
RALEIGH	WA4PEN	223.04	224.64		
SALISBURY	W4EXU	223.16	224.76		
SAURATOWN MT	WR4AOW	223.28	224.88		
STATESVILLE	WA4WRS	222.70	224.30	N	
SYLVA	KA4V	223.34	224.94	N	
TRYON	WB4BYH	222.86	224.46	N	P
WINSTON-SALEM	WB4UGW	222.44	222.04	N	P
WINSTON-SALEM	WA4YHH	223.04	224.64	N	P
WINSTON-SALEM	WA4GIC	223.10	224.70		R

10-METERS

DURHAM	W4PVI	29.60	29.60	N	RBL
NEWPORT	K4GRW	29.56	29.66		P

SIX METERS

CARY	WR4AVP	52.35	53.35	N	
HENDERSONVILLE	WB4YAO	52.01	53.01		
HENDERSONVILLE	WB4YAO	52.525	52.525		RB
HICKORY	WR4ACM	52.47	53.47	N	
HILLSBOROUGH	WA4WTX	52.01	53.01		
NEWPORT	K4GRW	52.01	53.01		P
RALEIGH	WR4AOE	52.05	53.05		
RALEIGH	WA4PEN	52.25	53.25		C

450 MHZ

ASHEVILLE	WR4ALE	449.90	444.90	N	
CHARLOTTE	WR4AEU	449.60	444.60	N	P
CHARLOTTE	WR4ALO	449.85	444.85	N	
CONCORD/KANNAP.	WA4UPO	449.65	444.65	N	C
DURHAM	WR4	449.00	444.00	N	P
HIGH POINT	K4AZA	447.90	442.90		
HILLSBOROUGH	WA4WTX	449.10	444.10		PA
HILLSBOROUGH	WB4DBB	449.35	444.35	N	
SALISBURY	W4EXU	449.70	444.70		P
SAURATOWN MT	WR4AOW	448.00	443.00		C

VIRGINIA REPEATERS

TWO METERS

ALEXANDRIA	W8LMB	144.83	145.43	M	
ALEXANDRIA	WR4AXB	146.055	146.665	M	
ALEXANDRIA	W4HFH	146.085	146.685	M	
ALEXANDRIA	W4HFH	147.72	147.12	M	
ALEXANDRIA	WA4CCF	147.915	147.315	M	
BARREN SPRINGS	WR4AFQ	146.07	146.67		
BERRYVILLE	WR4APE	147.90	147.30	M	
BLACKSBURG	WA4YRJ	146.43	147.03		
BLAND	N4AZJ	144.75	145.35	N	
BLUE RIDGE	WA4MCP	147.765	147.165	N	C
BLUEFIELD	WD4RPT	144.89	145.49		A
BLUEFIELD	WD8OGY	146.415	147.015		PA
BRIARPATCH MT	WR4AHR	147.69	147.09		PA
BRISTOL	K4ILW	146.07	146.67		A
BRISTOL	W4SZP	146.28	146.88		
BRUMLEY MT	WR4ATJ	146.01	146.61	N	
BUFFALO MT	N4AZI	144.61	145.21	N	
CHARLOTTESVILLE	WR4ATL	146.16	146.76		
CHARLOTTESVILLE	WR4	146.325	146.925	N	C
CHESAPEAKE	WR4ACN	146.19	146.79		
CLIFTON FORGE	K4QEL	147.90	147.30		
COLE MTN	WR4BCI	147.93	147.33	N	
COVINGTON	WB4CAV	146.22	146.82		
CRIMORA	W4PNT	147.675	147.075		
CULPEPPER	WR4BCS	147.72	147.12	M	
DAN/WHT.OAK MT	WR4BDN	146.10	146.70		
DANTE	WD4CYZ	146.235	146.835	N	
DANVILLE	WR4AHG	147.95	147.35	N	
DANVILLE(DCC)	WB4GJG	146.325	146.925		
DUBLIN	WB4UQZ	147.78	147.18		
ELLIS KNOB	W4WRN	147.645	147.045	N	
FAIRFAX	WR4AAD	146.19	146.79		PA
FARMVILLE	WR4ASW	146.31	146.91		
FOREST	WR4ADY	146.16	146.76		A
FRANKLIN	K4SPS	147.90	147.30	N	PA
FREDRICKSBURG	N4QD	147.615	147.015	N	P
FRONT ROYAL	WB4NER	144.75	145.35	M	P
GALAX	WR4AHR	144.53	145.13		
GALAX	WA4ZIV	144.83	145.43	N	
GATE CITY	WD4GTA	147.945	147.345	N	
GRUNDY	K4HWQ	147.90	147.30	N	A
GUM SPRINGS	WR4BBI	147.87	147.27	N	
HAMPTON	WR4ALW	146.13	146.73		
HAMPTON	WR4AFT	146.34	146.94	N	T
HAZEL MT	WD4CYZ	146.235	146.835	N	
HIGH KNOB	K4AXO	147.81	147.21	N	
JOHNSONS MT	WB4JBJ	147.705	147.105		R
JONESVILLE	WA4OVC	146.31	146.91		
KLMNRK/SALUDA	WA4UAF	147.93	147.33		
LEXINGTON	WA4WBD	146.07	146.67		
LYNCHBURG	WR4AXO	146.01	146.61	N	
MANASSAS	WB4HHN	146.37	146.97		PA
MARTINSVILLE	WB4HAD	147.885	147.285		
MCLEAN	WR4APC	147.81	147.21	M	R
NEW MARKET	WR4ATG	146.025	146.625	M	
NORFOLK	WB4LJM	146.10	146.70		
PETERSBURG	K4SII	147.78	147.18	N	
PETERSBURG	WR4BBU	147.84	147.24		
PETERSBURG	WR4AWC	147.99	147.39	N	PA
PORTSMOUTH	K4LMY	146.25	146.85	N	
RICHMOND	WB4QEY	146.04	146.64		
RICHMOND	WR4BBZ	146.28	146.88	N	PA
RICHMOND	W4ZA	146.34	146.94		T
RICHMOND	WA4DMO	147.66	147.06	N	
RIPPLE MEADE	K4TUE	146.31	146.91	N	C
ROANOKE	WR4AHT	146.34	146.94	N	A
ROANOKE	W4CA	146.385	146.985		EAL
SALEM	WR4AFE	146.28	146.88	N	
SHENANDOAH	WB4DAK	147.855	147.255	N	P
SOUTH BOSTON	WR4AYU	146.46	147.06	N	
STAUNTON	WD4JEK	147.975	147.375	N	C
STERLING	WA4TXE	146.115	146.715	M	
SUFFOLK	WR4AKS	146.40	147.00	N	PA
TAZEWELL	WD4DZE	147.75	147.15	N	
TYSONS CORNER	K4VYN	146.31	146.91		PA
VIRGINIA BEACH	WB2YVN	146.01	146.61	N	C
VIRGINIA BEACH	WA4KXV	146.37	146.97		EA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
WARRENTON	WB4FJT	147.765	147.165	M	
WAYNESBORO	W4BLD	147.63	147.03		PA
WILLIAMSBURG	W4NTG	146.07	146.67	N	
WINCHESTER	W4RKC	146.22	146.82		T
WOODBRIDGE	WR4AII	147.84	147.24	M	A

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	P
GALAX	WA4DFH	222.74	224.34	N	P
LYNCHBURG	WB4DBB	223.34	224.94	N	C
PORTSMOUTH	K4CRK	223.02	224.62	N	C
SUFFOLK	WA4JUO	222.34	223.94	N	C
TYSONS CORNER	K4GCM	222.34	223.94		

450 MHZ

ALEXANDRIA	WR4AAG	439.25	426.25	M	V
ALEXANDRIA	WA4CCF	449.60	444.60	M	
ANNANDALE	WR4AQG	444.85	449.85	M	
CHARLOTTESVILLE	WR4ATZ	449.25	444.25	N	
COLE MTN	WR4BCI	449.15	444.15	N	P
COVINGTON	WB4CAV	447.25	442.25		
FALLS CHURCH	WB8CRK	449.45	444.45	M	L
LYNCHBURG	WB4DBB	449.35	444.35	N	L
LYNCHBURG	WB4IUS	449.50	444.50	N	T
MANASSAS	WD4JCE	444.225	449.225	M	C
PETERSBURG	WR4BBU	449.50	444.50		
PORTSMOUTH	K4MLY	449.25	444.25	N	
RICHMOND	WA4ONG	449.85	444.85	N	P
ROANOKE	W4CA	442.50	447.50		L
ROANOKE	WR4AFE	447.75	442.75	N	
TAZEWELL	WD4DZE	448.90	443.90	N	P
TYSONS CORNER	WB6GUS	443.50	448.50	M	P
TYSONS CORNER	K4LHB	444.75	449.75		
VIRGINIA BEACH	WA4KXV	449.95	444.95		
WAYNESBORO	W4BLD	449.05	444.05		
WOODBRIDGE	WR4AII	444.90	449.90	M	

10 METERS

CHARLOTTESVILLE	K4RKA	29.60	29.60	N	RBC

SOUTH CAROLINA REPEATERS

TWO METERS

ANDERSON	WR4AIO	146.37	146.97		PA
ANDSN/SASFRAS MT	WR4AIO	146.19	146.79		
CAROWINDS	WR4ABK	147.78	147.18		
CHARLESTON	K4ILT	146.16	146.76		A
CHARLESTON	WR4AUV	146.19	146.79	N	C
CHARLESTON	N4SC	146.34	146.94	N	T
CHARLESTON	WR4BCP	147.87	147.27	N	A
CHERAW	WD4HEH	147.735	147.135		
COLUMBIA	WR4AYE	146.16	146.76		
COLUMBIA	K4AVU	146.28	146.88	N	
COLUMBIA	WB4URY	146.34	146.94		
COLUMBIA	WR4AYE	147.84	147.24		
COLUMBIA	WB4VLY	147.93	147.33		
COLUMBIA	WB4URY	147.96	147.36		EA
DILLON	KA4BGA	146.145	146.745	N	
DORCHESTER	W4NAT	147.78	147.18	N	
FLORENCE	W4ULH	146.25	146.85		
FLORENCE	WA4ISM	146.37	146.97		PA
GASTON	WB4NEP	144.61	145.21		A
GREENVILLE	W4AZT	146.10	146.70		A
GREENVILLE	WR4	147.675	147.075	N	PA
GREENWOOD	WR4AUE	147.765	147.165		PA
GREER	W4IQQ	146.34	146.94	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61		
GRNVLE/PARIS MT	W4NYK	146.22	146.82		PA
HODGES	KB4YF	144.53	145.13	N	C
LANCASTER	W4PAX	146.10	146.70		PA
LAURENS	WA4UZA	146.25	146.85		A
LEXINGTON	WR4AGK	147.255	146.835	N	
LITTLE MT	K4AVU	147.81	147.21		C
LONG MT	WA4JRJ	147.87	147.27		
LYMAN	KS4I	147.885	147.285		
LYONS(GA)	K4HAO	146.22	146.82		
MARION	W4YLX	146.40	147.00		EA
MYRTLE BEACH	WA4KGN	146.01	146.61	N	
MYRTLE BEACH	WR4	147.72	147.12	N	C
N. AUGUSTA	K4FKJ	146.13	146.73		
N. AUGUSTA	WR4ALS	147.72	147.12	N	
ORANGEBURG	WR4AQY	147.69	147.09	N	A
PICKENS	WR4ADP	146.40	147.00		
ROCK HILL	WC4ABD	146.43	147.03		PA
SAVANNAH(GA)	W4HBB	146.28	146.88		
SAVANNAH(GA)	W4HBB	146.37	146.97		A
SPARTANBURG	K4JLA	147.69	147.09	N	PA
SUMMERVILLE	WR4	146.25	146.85	N	C
SUMTER	WR4AOI	146.04	146.64		A
SUMTER	WD4ECQ	147.615	147.015		
SUMTER/SHAW	WR4AUS	147.66	147.06	N	
SWAINSBORO(GA)	K4VYX	146.19	146.79		
TOCCOA(GA)	KA4DIP	147.93	147.33		
WHITE HALL	WR4AQL	146.31	146.91	N	

TEN METERS

ANDERSON	N4JK	29.53	29.63	N

SIX METERS

COLUMBIA	WR4	52.05	53.05	N

220 MHZ

COLUMBIA	WB4URY	222.30	223.90		
GREER	W4ILY	222.38	223.98	N	PA
SASSAFRAS MTN	W4FHJ	222.46	224.06		

450 MHZ

ANDERSON	N4JK	439.25	427.25	N	CV
CHARLESTON	N4SC	449.10	444.509	N	T
SUMMERVILLE	WR4	449.00	444.00	N	P

TENNESSEE REPEATERS

TWO METERS

ALCOA	WR4APM	146.25	146.85	N	
ALTAMONT	WR4AWN	146.37	146.97	N	
BRISTOL	K4ILW	146.07	146.67		A
BRISTOL	W4SZP	146.28	146.88		A
BRISTOL	WR4AXQ	147.60	147.00	N	
BRISTOL/HLSTN MT	WR4ADO	146.16	146.76		EA
BROWNSVILLE	WR4ASI	146.655	146.055	N	
CHATTANOGA	KB4TZ	144.79	145.39		
CHATTANOGA	K4CMY	146.01	146.61		
CHATTANOGA	W4DSK	146.19	146.79		
CHATTANOGA	WA4ZOK	147.60	147.00		PA
CLARKSVILLE	WR4AOO	147.60	147.00	N	
CLEVELAND	WR4AQV	147.78	147.18	N	
COLUMBIA	WR4AIX	147.72	147.12	N	
COOKEVILLE	WR4ANW	146.07	146.67	N	
COOKEVILLE	WB4QSJ	147.81	147.21	N	
COVE MTN	WA4KJH	146.25	146.85	N	PA
CROSSVILLE	WR4	147.93	147.33	N	
DAYTON/RHEA CTY	N4OU	147.99	147.39		
FAYETTEVILLE	WR4BAQ	147.63	147.03	N	
GALLITIN	WR4BCX	147.84	147.24	N	
GREENEVILLE	W4ANB	146.10	146.70		
GREENEVILLE	WA4LYF	147.66	147.06		
HENDERSONVILLE	W4KKO	144.89	145.49	N	
HENDERSONVILLE	WR4BCX	147.63	147.03	N	
JACKSON	WR4AQN	147.81	147.21	N	
JOHNSON CTY	WB4IKB	146.19	146.79		
JOHNSON CTY	WA4DIU	147.87	147.27		A
JONESBORO	WB4SQC	147.99	147.39		PA
KNGSPT/BAYS MT	W4TRC	146.37	146.97		A
KNOXVILLE	WB4JSD	144.51	145.11		R
KNOXVILLE	WR4APU	146.13	146.73		
KNOXVILLE	K4HXD	146.34	146.94	N	A
KNOXVILLE	WR4AHF	146.40	147.54	N	A
KNOXVILLE	K4HXD	147.675	147.075		A
KNOXVILLE	W4BBB	147.90	147.30		
LAFOLLETTE	W4TZG	146.07	146.67		
LAKE CITY	WB4OAH	146.22	146.82	N	
LEBANON	WR4BBM	146.13	146.73	N	
MADISON	WR4AKN	146.04	146.64	N	
MANCHESTER	WR4ACI	146.10	146.70		
MEDINA	K4BEZ	146.37	146.97	N	
MEMPHIS (MARS)	AAA4TN	148.01	143.99		
MEMPHIS	WR4AZK	144.89	145.49	N	
MEMPHIS	WR4AHK	146.01	147.51	N	
MEMPHIS	W4GYS	146.04	146.64	N	
MEMPHIS	WR4AOG	146.10	146.70	N	R
MEMPHIS	WR4AGR	146.13	146.73	N	
MEMPHIS	WR4ABS	146.19	147.51	N	
MEMPHIS	WR4AHO	146.22	146.82	N	
MEMPHIS	WR4AZK	146.25	146.85	N	
MEMPHIS	WA4ETE	146.28	146.88	N	
MEMPHIS	K4BN	146.34	146.94	N	
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	WR4AXF	146.46	147.06	N	
MEMPHIS	WR4BCU	147.63	147.03	N	
MEMPHIS	WR4AWT	147.67	147.09	N	
MEMPHIS	WB4DAZ	147.72	147.12	N	
MEMPHIS	WR5AII	147.75	147.15	N	
MEMPHIS	WR4AZK	147.78	147.17	N	
MEMPHIS	WD4APK	147.84	147.24	N	
MEMPHIS	WR4AZC	147.87	147.27	N	
MEMPHIS	WR4ASF	147.90	147.30	N	
MEMPHIS	WR4ATA	147.96	147.36	N	
MEMPHIS	WR4ASR	147.99	147.39	N	
MORRISTOWN	WB4AOH	147.63	147.03	N	
MORRISTOWN	WB4AOH	147.825	147.225	N	
NASHVILLE	WR4AWV	146.01	146.61	N	
NASHVILLE	WR4AKN	146.07	146.67	N	

Continued on Next Page

TENNESSEE REPEATERS

(Continued)

NASHVILLE	WR4ACS	146.16	146.76	N	
NASHVILLE	WR4AFA	146.19	146.79	N	
NASHVILLE	WR4ABV	146.25	146.85	N	
NASHVILLE	WR4ACY	146.28	146.88	N	
NASHVILLE	WR4AGX	146.34	146.94	N	
NASHVILLE	AI4P	147.615	147.015	N	
NASHVILLE	WR4AUX	147.75	147.15	N	
NASHVILLE	WB4HFS	147.78	147.18	N	
NASHVILLE	WA4YQC	147.87	147.27	N	
NASHVILLE	WB4ZSA	147.90	147.30	N	
NASHVILLE	WR4BBT	147.945	147.345	N	
NASHVILLE	WR4AKN	147.96	147.36	N	
NASHVILLE	WR4	147.975	147.375	N	
NASHVILLE	WB4DLQ	147.99	147.39	N	
NEWBERN	AA4HF	146.745	146.145	N	
OAK RIDGE	WR4ADQ	144.85	145.45	N	
OAK RIDGE	W4SKH	146.28	146.88		A
OAK RIDGE	W4SKH	146.37	146.97		A
OAK RIDGE	K4EAJ	147.72	147.12		
OAK RIDGE	K4EAJ	147.75	147.15		R
PARIS	WR4AYM	147.96	147.36	N	
POPLAR BLUFF(MO)	WOBIU	146.31	146.91		
PULASKI	W4JVO	146.715	146.115	N	
SAVANNAH	WA4HGN	146.31	146.91	N	
SHELBYVILLE	WR4AQM	147.66	147.06	N	
SHORT MT.	WR4AZF	146.31	146.91	N	
SPARTA	WR4ASV	147.69	147.09		
SPRINGFIELD	WR4AGH	147.63	147.03	N	
UNION CITY	WR4AUQ	146.10	146.70	N	
UNION CITY	K4MVE	146.655	146.055	N	
WAVERLY	WR4AYB	146.685	146.085	N	
WINCHESTER	WR4AFH	146.22	146.82	N	

SIX METERS

KNOXVILLE	WA4OBZ	52.15	53.15	N
KNOXVILLE	WA4YON	52.46	53.46	N
KNOXVILLE	WA4YON	52.64	53.64	N
LAFOLLETTE	K4BGW	52.17	53.17	
MEMPHIS	WR4AZK	52.01	53.01	N

220 MHZ

CHATTANOOGA	K4VCM	223.18	224.78	
CHATTANOOGA	WA4ZOK	223.30	224.90	
GREENEVILLE	WB4NKM	223.34	224.94	
KNOXVILLE	WA4YON	222.86	224.46	N
LAFOLLETTE	K4BGW	222.80	224.40	N
NASHVILLE	WR4	223.38	224.79	N

450 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
CHATTANOOGA	WA4ZOK	439.25	427.25		V
GREENEVILLE	K4OTM	439.25	427.25	N	V
KNGSPT/HLSTON MT	WR4ADO	449.50	444.50		EA
KNOXVILLE	K4HXD	449.30	444.30	N	
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	WB4BDO	448.40	443.40	N	A
MEMPHIS	WD4APK	449.30	444.30	N	
MEMPHIS	WA4FNL	449.50	444.50	N	A

REPEATER SYMBOLS

N	NON Member CVRA	L	Linked
A	Autopatch	C	Under Construction
PA	Private Autopatch	P	Proposed Repeater
EA	Emergency Autopatch	O	Off Air Temporarily
T	Tone Access	RB	Remote Base
M	T-MARC Repeater	R	RTTY

WEST VIRGINIA REPEATERS

ALDERSON	WR8AKZ	146.13	146.73		
BECKLEY	WR8ACO	146.34	146.94	N	
BKLY/FLAT TOP MT	WR8AKZ	146.25	146.85		A
BLUEFIELD	WD4RPT	144.89	145.49		A
BLUEFIELD	WD8OGY	146.415	147.015		
BRIDGEPORT	WR8ALC	147.705	147.105		EA
BRIDGEPORT	WR8ALC	147.72	147.12		EA
BUCKHANNON	WD8LWI	145.93	147.93		
BUCKHANNON	K8WYH	146.25	147.85	N	
CHARLESTON	WR8AER	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CLARKSBURG	WB8ZVS	146.22	146.82		A
COTTAGEVILLE	WR8AKV	146.31	146.91	N	
EAST RIVER MTN*	WR4AXS	146.16	146.76	N	
ELKINS	WR8AOH	146.04	146.64	N	
FAIRMONT	W8JM	146.31	146.91		
HUNTINGTON	WB8EZR	146.04	146.64	N	
HUNTINGTON	WR8AGH	146.16	146.76	N	
HUNTINGTON	KA8BKX	147.90	147.30	N	
KINGSTON/LICK KB	W8FG	144.87	145.47		
LOGAN	WR8ADD	146.37	146.97	N	
MARTINSBURG	WB8VUZ	147.855	147.255	N	
MCMECHEN	W8WUX	146.31	146.91	N	
MORGANTOWN	K8LG	144.83	145.43		
MORGANTOWN	WB8YZT	146.085	147.955	N	
MORGANTOWN	W8CUL	146.16	146.76		
MULLENS	WR8AKX	147.63	147.03		
NEW MARTINSVLLE	WR8ABY	146.34	146.94	N	
OAK HILL	WD8OQJ	146.19	146.79		
PARKERSBURG	WR8ACJ	146.37	146.97		PA
PARKERSBURG	WR8ACJ	147.96	147.36		
PARSONS	N8ER	144.73	145.33	N	
PENNSBORO	WA8CND	147.90	147.30	N	
PRINCETON	WB8NRK	146.46	147.06		
RAVENSWOOD	WA8USO	146.07	146.67		
RICHWOOD	K8VKB	146.34	146.94		
SCOTT DEPOT	K8SLI	147.87	147.27	N	
SPENCER	WB2HVN	146.01	146.01	N	
ST ALBANS	WR8AJS	146.40	147.00		
TERRA ALTA	WB8PHU	147.60	147.00		
WEIRTON	WR8AQA	146.34	146.94		
WELCH	N8ACQ	144.85	145.45		
WHEELING	W8JDH	146.16	146.76		

TENNESSEE

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(615) 758-2329

WEST VIRGINIA

ACTING DIRECTOR
Mike Palmer K8LG
1313 Airport Blvd.
Morgantown, W. Va. 26505

GEORGIA REPEATERS

ADAIRSVILLE	WB4LRA	146.085	146.685
ALBANY	WR4ADM	146.10	146.70
ALBANY	WR4ANB	146.22	146.82
AMERICUS	WR4AQH	147.87	147.27
ASHBURN	K4QT	147.285	147.885
ATHENS	WA4BKF	146.13	146.73
ATHENS	K4TQU	147.375	147.975
ATLANTA	N4CLA	144.69	145.29
ATLANTA	WR4ABE	146.04	146.64
ATLANTA	W4DOC	146.22	146.82
ATLANTA	WR4ABC	146.37	146.97
ATLANTA	WR4ARK	146.40	147.00
ATLANTA	WR4AHS	147.855	147.255
ATLANTA GA TECH	W4AQL	147.66	147.06
AUGUSTA	WR4AGD	146.34	146.94
BALDWIN	WD4NHW	147.78	147.18
BRUNSWICK	WR4APZ	146.13	146.73
BUFORD	WR4BBV	147.87	147.27
CARROLTON	W4FWD	146.04	146.64
CEDARTOWN	WR4AZU	147.72	147.12
CLOUDLAND	N4AHE	147.225	147.825
COHUTTA-RTTY	WR4AXM	146.46	147.06
COLUMBUS	WD4BDU	144.71	145.31
COLUMBUS	W4YYE	146.13	146.73
COLUMBUS-RTTY	K4ACH	144.77	145.37
CONYERS	WB4SLZ	146.805	146.205
CONYERS	WD4JDM	147.81	147.21
COVINGTON	WA4ASI	146.925	146.325
CUMMING	W4BJT	144.81	145.41
CUMMING	WR4AOC	147.75	147.15
DALLAS	WR4AHM	146.25	146.85
DALLAS	KB4EO	147.96	147.36
DUBLIN	WA4HZX	147.96	147.36
FOLKSTON	K4DMK	146.19	146.79
FORSYTHE	WR4AQA	147.315	147.915
GAINSVILLE	WR4AEK	146.07	146.67
GRIFFIN	WR4AIV	146.31	146.91
GRIFFIN	WR4AEA	146.43	147.43
HAMILTON	AC4P	147.835	147.235
HAPEVILLE	WR4ABN	147.63	146.03
HARTWELL	WA4NBP	146.895	146.295
IRWINTON	WB4NFG	147.84	147.24
ISABELLA	W4MM	146.13	146.73
JESUP	WA4EQL	146.07	146.67
JONESBORO	WR4AED	144.85	145.45
KENNESAW	WB4UPC	145.43	144.83
KENNESAW	WB4BMC	146.13	146.73
KENNESAW	WR4AMN	146.28	146.88
KENNESAW	WB4UPC	147.94	147.34
LAGRANGE	WR4AVJ	147.93	147.33
LYONS	WR4APZ	146.22	146.82
MACON	WB4OLL	144.83	145.43
MACON	W4BKM	146.06	146.66
MACON	K4IIA	147.66	147.07
MARIETTA	W4PPT	147.075	147.675
MILLEDGEVILLE	WR4AUM	146.10	146.70
MOULTRIE	WD4KOW	146.19	146.79
NEWNAN	K4SEX	146.19	146.79
PINE MT VALLEY	WB4ULJ	144.59	145.19
QUITMAN	WR4BBH	146.28	146.88
RINGOLD	WR4ABZ	146.715	146.115
ROME	WR4ADH	146.34	146.94
ROSWELL	WA4BRO	144.87	145.47
SANDY SPRINGS	WB4CPL	144.75	145.35
SAVANNAH	K4NLX	146.10	146.70
SAVANNAH	WR4AVD	147.63	147.03
SAVANNAH*	W4HBB	146.28	146.88
SAVANNAH*	W4HBB	146.37	146.97
STONE MTN	WR4AED	146.16	146.76
STONE MTN-RTTY	WR4BAG	147.105	147.705
SVR CRK/MT ALTO	WR4BBG	147.90	147.30
SWAINSBORO	WR4APR	146.19	146.79
THOMASTON	K4IMK	147.99	147.39
THOMASVILLE	K4UFM	147.66	147.06
TOCCOA*	KA4DIP	147.93	147.33
UNION CITY	WA4UPE	146.025	146.625
VALDOSTA	WA4SMH	146.16	146.76
VALDOSTA	WA4SMH	147.135	147.735
VIENNA	WA4RWS	144.89	145.49
WARNER ROBBINS	WR4AFD	146.25	146.85
WARNER ROBBINS	WR4AZP	147.90	147.30
WAYCROSS	WR4AMK	146.04	146.64
WRIGHTSVILLE	WA4RVB	146.34	146.94
220 MHZ			
ATLANTA	W4LBP	223.22	224.82
KENNESAW	WB4UPC	222.34	223.94
KENNESAW	WB4UPC	223.34	224.94

***CVRA Full Member Repeater**

MARYLAND REPEATERS

ADELPHI	WB3FRW	144.77	145.37
ASHTON	WR3AFT	146.40	147.00
BALTIMORE	WR3AFM	146.07	146.67
BALTIMORE	W3DID	147.63	147.03
BALTIMORE	WR3AIU	147.885	147.285
BEL AIR	K3GUX	146.175	146.775
BETHESDA	K3YGG	144.69	145.29
CHELTENHAM	WR3AGF	147.75	147.15
CHEVERLY	WR3ABC	146.01	146.61
COLLEGE PARK	W3EAX	144.89	145.49
COLUMBIA	K3CUU	147.735	147.135
COLUMBIA	WR3AGP	147.99	147.39
CROWNSVILLE	WR3ACL	146.10	146.70
CUMBERLAND	WA3III	144.85	145.45
CUMBERLAND	WR3AGI	146.28	146.88
DAVIDSONVILLE	WR3AJP	147.705	147.105
E. BALTIMORE	WR3AFI	147.84	147.24
EASTON	WA3GVI	146.445	147.045
FREDERICK	WR3ABL	146.13	146.73
FREDERICK	WA3OHI	147.66	147.06
FROSTBURG	WR3AKV	147.99	147.39
GAITHERSBURG	WR3AKP	146.355	146.955
GLEN BURNIE	WA3PJQ	146.205	146.805
GREENBELT	WR3ABB	146.28	146.88
HAGERSTOWN	WR3ABT	146.34	146.94
HAVRE DE GRACE	WR3ADH	146.25	146.85
JESSUP	WA3DZD	146.16	146.76
LEXINGTON PARK	WR3ACP	146.04	146.64
LEXINGTON PARK	W3NET	146.265	146.865
N. BALTIMORE	WA3KOK	146.34	146.94
POTOMAC	WR3ACF	147.87	147.27
ROCKVILLE	W3RCN	144.65	145.25
ROCKVILLE	WR3ABM	146.04	146.64
SALISBURY	WR3ABS	146.22	146.82
SALISBURY	WA3YII	146.385	146.985
SEVERNA PARK	WR3ACL	146.10	146.70
SILVER SPRING	WR3ABU	146.25	146.85
SILVER SPRING	WR3AEO	147.78	147.18
W. BALTIMORE	WR3AGS	147.945	147.345
WASHINGTON DC	WR3AGX	147.96	147.36
WHEATON	WR3AFD	147.69	147.09
220 MHZ			
DAMASCUS	WR3AHS	222.98	224.58
DAVIDSON	K3SZN	222.28	223.88
W. BALTIMORE	WR3AKN	223.34	224.94
WASHINGTON DC	W3NKF	222.90	224.50
WHEATON	WR3AFD	223.30	224.90
440 MHZ'			
BALTIMORE	WR3AFM	444.35	449.35
BURTONSVILLE	WA4DZD	448.65	443.65
E. BALTIMORE	W3WCQ	439.25	426.25
E. BALTIMORE	WR3AFI	444.55	449.55
FREDERICK	WA3OHI	443.75	448.75
FREDERICK	WR3ABL	444.80	449.80
GAITHERSBURG	WR3AKP	443.60	448.60
GLEN BURNIE	WA3MEJ	448.70	443.70
HARMANS	W3YVV	443.94	448.94
HAVRE DE GRACE	WR3ADH	448.10	443.10
JESSUP	WR3ADZ	449.10	444.10
LEXINGTON PARK	WA3UMY	448.05	443.05
ODENTON	WA3GPC	449.50	444.50
SILVER SPRING	WR3ACK	444.00	449.00
SILVER SPRING	WB3ARZ	448.45	443.45
SUITLAND	WR3AEK	444.40	449.40
W. BALTIMORE	WA3WLO	448.55	443.55
WASHINGTON DC	WA3KOK	444.975	449.975
WHEATON	WR3AFD	444.30	449.30

DELAWARE REPEATERS

DELMAR	WR3ABS	146.22	146.82
DOVER	WB3ILO	146.19	146.79
DOVER	WR3ABP	146.37	146.97
MILLSBORO	K3JL	147.675	147.075
NEWARK	WR3ACV	146.10	146.70
NEWARK	WR3AGQ	146.355	146.955
WILMINGTON	WR3ABA	146.13	146.73
WILMINGTON	WA3QLS	147.825	147.225
220 MHZ			
NEWARK	WB3JVX	222.36	223.96
NEWARK	WB3JVX	223.36	224.96
WILMINGTON	WD3DPJ	222.40	224.00
WILMINGTON	WR3AFK	222.94	224.54
440 MHZ			
NEWCASTLE	WB3JVX	448.05	443.05
WILMINGTON	WR3AHO	448.00	443.00

ALABAMA REPEATERS

ALBERTVILLE	K4WSS	146.16	146.76
ALEXANDER CITY	WA4KIK	146.37	146.97
ANDALUSIA	WR4AFE	146.34	146.94
ASHEVILLE	WR4AQS	147.81	147.21
ATHENS	WR4AKD	146.55	147.15
AUBURN	K4RY	147.84	147.24
BAY MINETTE	K4JIE	146.01	146.61
BIRMINGHAM	K4QWW	144.75	145.35
BIRMINGHAM	WR4ACB	146.16	146.76
BIRMINGHAM	WR4AEJ	146.28	146.88
BIRMINGHAM	WR4ADD	146.34	146.94
BIRMINGHAM	K4TWJ	146.655	146.055
BIRMINGHAM	N4YZ	146.985	146.385
BIRMINGHAM	KA4EIR	147.285	147.885
BIRMINGHAM	WR4AXA	147.63	147.03
BIRMINGHAM	WR4AZG	147.75	147.15
BIRMINGHAM	WA4MHO	147.93	147.33
BOAZ	WR4AJB	147.66	147.06
BREWTON (EAST)	WR4BAE	146.37	146.97
CHEROKEE-BARTON	K4YVV	146.16	146.76
CLANTON	WR4AYJ	146.19	146.79
CULLMAN	WR4ASY	146.25	146.85
DECATUR	WR4ACK	146.40	147.00
DEMOPOLIS	WR4AJN	146.04	146.64
DOTHAN	N4AN	146.25	146.85
ENTERPRISE	WD4ROJ	147.84	147.24
EUFALA	WR4AQC	146.10	146.70
EVERGREEN	WR4ALR	146.31	146.91
FAIRHOPE	WA4TPF	146.10	146.70
FAYETTE	K4ACL	147.99	147.39
FLORENCE	WR4AOK	146.22	146.82
FLORENCE	WR4AXE	146.28	146.88
FLORENCE (UALA)	WB4SRG	146.31	146.91
FORT PAYNE	W4RNX	147.87	147.27
GADSEN	WR4AEZ	146.22	146.82
GADSEN	WR4AGI	146.37	146.97
GRADY	W4AP	147.78	147.18
GREENVILLE	K4TNS	146.07	146.67
GROVE HILL	WR4ATT	147.87	147.27
GULF SHORES	WR4AMF	146.04	146.64
GUNTERSVILLE	K4VQJ	147.165	146.565
HALEYVILLE	K4KQE	146.19	146.79
HAMILTON	WA4RNN	146.37	146.97
HAMILTON	WA4RNN	146.985	146.385
HARTSELLE	WR4BDB	147.96	147.36
HEADLAND	WR4ADX	146.16	146.76
HUNTSVILLE	WR4AIU	146.04	146.64
HUNTSVILLE	K4IQU	146.34	146.94
HUNTSVILLE	WR4AYL	147.78	147.18
HUNTSVILLE	WR4AVG	147.90	147.30
JACKSONVILLE	WD4KTY	147.375	147.975
JASPER	WR4AFP	146.04	146.64
JASPER	WR4ASM	146.10	146.70
JASPER	WB4ACN	146.31	146.91
LANETT	K4DXZ	147.60	147.00
LEIGHTON	W4JNB	146.01	146.61
LEXINGTON	WR4???	147.84	147.24
LINCLON	KA4DQZ	144.89	145.49
MOBILE	WA4BPG	146.07	146.67
MOBILE	W4YXO	146.13	146.73
MOBILE	WR4AHQ	146.22	146.82
MOBILE	WB4BXM	146.34	146.94
MOBILE	WB4DCL	147.66	147.06
MONTGOMERY	WB6GDM	146.25	146.85
MONTGOMERY	WR4AUT	146.31	146.91
MONTGOMERY	WR4AJH	146.40	147.00
MONTGOMERY	WR4AHZ	147.87	147.27
MT CHEAHA	K4BQP	147.69	147.09
OPELIKA	W4ZBA	146.34	146.94
OPP	WR4AKM	146.04	146.64
OXFORD	WR4AVM	146.10	146.70
PELL CITY	WR4RKS	146.01	146.61
PHENIX CITY	WR4BBB	146.01	146.61
PHENIX CITY	N4BJZ	146.28	146.88
RIVERSIDE	WR4AQS	147.81	147.21
ROANOKE	K4JTW	146.865	146.265
SCOTTSBORO	WR4AUZ	146.31	146.91
SELMA	W4NCK	146.13	146.73
SELMA	WR4AXP	147.96	147.36
SMOKERISE	WB4YOX	144.85	145.45
STEELE	W4OEN	146.07	146.67
TALLADEGA	W4GBQ	147.96	147.36
TEXASVILLE	K4BQE	146.19	146.79
THOMASVILLE	WA4GNA	147.60	147.00
TROY	WR4AHH	146.22	146.82
TUSCALOOSA	WR4AEH	146.22	146.82
TUSCALOOSA	WA4QAZ	146.37	146.97
TUSKEGEE	WR4ASH	146.07	146.67
VERNON	WB4TLC	146.07	146.67
WETUMPKA	WR4AJI	146.04	146.64

FLORIDA REPEATERS

TWO METERS

ARCADIA	W4MIN	147.675	147.075
BELLE GLADE	W4MML	144.85	145.45
BELLE GLADE	AI4D	147.60	147.00
BOCA RATON	WB4QFY	146.22	146.82
BRADENTON	W4OHA	144.65	145.25
BRADENTON	WR4NYF	146.01	146.61
BRADENTON	W4TAS	146.22	146.82
BRADENTON	WA4BYV	147.69	147.09
BRANDON	WB4BIM	147.765	147.165
BRANDON	WD4AGM	147.99	147.39
BROOKSVILLE	WR8AKR	146.115	146.715
CALLAHAN	KC4P	146.01	146.61
CANTONMENT	WB4JIM	147.93	147.33
CLERMONT	WR4APH	146.295	146.895
CLERMONT	WR4AYH	147.78	147.18
COCOA BEACH	WR4AFI	146.43	147.03
COCOA	WR4AFI	146.28	146.88
CRESTVIEW	WB4UVI	146.43	147.46
CRESTVIEW	WB4UVI	147.96	147.36
CRYSTAL RIVER	WR4AQX	147.87	147.27
DAYTONA BEACH	WR4ALG	146.235	146.835
DAYTONA BEACH	WR4FKL	146.34	146.94
DAYTONA BEACH	WR4AKH	147.75	147.15
DAYTONA BEACH	WB4HAO	147.84	147.24
DEERFIELD BEACH	WA2UGG	146.105	146.705
DELAND	WR4ARF	147.96	147.36
DISNEY WORLD	WR4AMG	147.90	147.30
ENGLEWOOD	KODGF	146.175	146.775
EUSTIS	WR4ARU	147.855	147.255
FLORAL CITY	W4IIR	146.355	146.955
FT LAUDERDALE	WR4AYC	144.51	145.11
FT LAUDERDALE	N4AIV	144.610	145.210
FT LAUDERDALE	WB4LAH	144.63	145.23
FT LAUDERDALE	WA4TPR	144.73	145.33
FT LAUDERDALE	AC4K	146.04	146.64
FT LAUDERDALE	WA4LZR	146.19	146.79
FT LAUDERDALE	WR4ADU	146.31	146.91
FT LAUDERDALE	WB4HAG	146.355	146.955
FT LAUDERDALE	WR4ATI	146.43	147.03
FT LAUDERDALE	WA4IQJ	147.735	147.135
FT MYERS	WR4AES	146.19	146.79
FT MYERS	WB4TLF	146.28	146.88
FT PIERCE	WR4AHW	146.13	146.73
FT PIERCE	WA4MLD	147.81	147.21
FT WALTON BCH	WR4ABZ	146.19	146.79
FT WALTON BCH	W4MTD	146.28	146.88
FT WALTON BCH	WR4BDM	147.60	147.00
GAINSVILLE	WB4IJR	146.19	146.79
GAINSVILLE	WR4ACE	146.22	146.82
GAINSVILLE	W4DFU	146.31	146.91
GAINSVILLE	KB4HF	147.975	147.375
HALLANDALE	WR4ACC	146.25	146.85
HOLLYWOOD	K2YRZ	146.085	146.685
HOLLYWOOD	WA4WHD	146.10	146.70
HOLLYWOOD	WB4TON	146.385	146.985
HOMESTEAD	W4SVI	146.235	146.835
HOMESTEAD	KB4KW	146.40	147.00
HUDSON	WR4AXW	146.205	146.805
JACKSONVILLE	WR4AMI	146.04	146.64
JACKSONVILLE	WR4AZH	146.13	146.73
JACKSONVILLE	K4YLX	146.16	146.76
JACKSONVILLE	WA4IHY	146.205	146.805
JACKSONVILLE	WR4AKP	146.25	146.85
JACKSONVILLE	K4YLX	146.28	146.88
JACKSONVILLE	K4CP	146.40	147.00
JACKSONVILLE	KA4IUC	147.645	147.045
JACKSONVILLE	WB4NCZ	147.69	147.09
JACKSONVILLE	N4UF	147.795	147.195
JACKSONVILLE	WR4APN	147.825	147.075
JACKSONVILLE	WR4AQT	147.90	147.30
JACKSONVILLE	K4YLX	147.99	147.39
JUNO BEACH	WR4APJ	147.84	147.24
JUPITER	WB4ILH	146.025	146.625
KEY WEST	WR4AOV	146.34	146.94
LAKE CITY	W4VRR	147.75	147.15
LAKE PARK	W4UZJ	147.75	147.15
LAKE PLACID	WR4BBR	147.645	147.045
LAKE WALES	WR4AND	146.93	147.33
LAKELAND	W2HGV	144.69	145.29
LAKELAND	WB4QID	144.83	145.43
LAKELAND	WB4QID	146.085	146.685
LARGO	WR4AKV	146.37	146.97
LIVE OAK	K4BZS	146.34	146.94
MARIANNA	WR4AWY	146.07	146.67
MELBOURNE	WR4AMJ	146.01	146.61
MELBOURNE	WR4AMJ	146.25	146.85
MELBOURNE	WB4ABK	146.385	146.985
MELBOURNE	WR4AEE	147.705	147.105
MIAMI BEACH	W4FQM	147.78	147.18
MIAMI	WB4VMU	144.53	145.13
MIAMI	K4HYE	144.55	145.15
MIAMI	WD4RXD	144.59	145.19
MIAMI	KA4DFX	144.65	145.25
MIAMI	AK4Y	144.67	145.27
MIAMI	WA4ARD	144.71	145.31
MIAMI	KA4LJD	144.75	145.35
MIAMI	KA4HWE	144.79	145.39
MIAMI	WD4NLG	144.81	145.41
MIAMI	K4BMF	144.83	145.43
MIAMI	WR4ASN	144.87	145.47
MIAMI	KA4AQQ	144.89	145.49
MIAMI	WD4NLG	146.13	146.73
MIAMI	WB4MCK	146.16	146.76
MIAMI	WB4INA	146.205	146.805
MIAMI	W4NBL	146.295	146.895
MIAMI	WA4ARD	146.325	145.925
MIAMI	WC4ACO	146.34	146.94
MIAMI	WR4AFN	146.46	147.06
MIAMI	N4AEN	147.615	147.015
MIAMI	WR4AHN	147.69	147.09
MIAMI	WR4AWF	147.75	147.15
MIAMI	AF4S	147.81	147.21
MIAMI	WR4ASA	147.84	147.24
MIAMI	WA4TPW	147.855	147.255
MIAMI	WR4BDC	147.87	147.27
MIAMI	WB4IVM	147.885	147.285
MIAMI	WB4ESB	147.90	147.30
MIAMI	N4XZ	147.93	147.33
MIAMI	WB4DTC	147.945	147.345
MIAMI	WB4DXX	147.975	147.375
MIAMI	WA4LPT	147.99	147.39
MILTON	K4IVD	146.10	146.70
NAPLES	WR4ANO	146.07	146.67
NAPLES	WB4FUS	146.265	146.865
NAPLES	WD4ILS	147.945	147.345
NEW PORT RICHEY	WR4AML	146.025	146.625
NEW PORT RICHEY	WR4AZD	146.07	146.67
NICEVILLE	KA4EPQ	146.13	146.73
OCALA	WR4ALJ	146.01	146.61
OKEECHOBEE	WB4QQK	147.795	147.195
ORANGE PARK	WR4AQZ	146.07	146.67
ORLANDO	WB4TCW	146.04	146.64
ORLANDO	W4OHL	146.10	146.70
ORLANDO	WR4AFO	146.16	146.76
ORLANDO	WR4AEL	146.22	146.82
ORLANDO	WB4UOK	147.63	147.03
ORLANDO	WR4AJR	147.69	147.09
ORLANDO	WR4AJM	147.72	147.12
ORLANDO	WR4AEL	147.825	147.225
ORLANDO	WR4ARO	147.99	147.39
PAHOKEE	K4SJA	144.65	145.25
PALATKA	K4DXL	147.69	147.09
PALATKA	W4EXP	147.93	147.33
PANAMA CITY	WR4ALU	146.10	146.70
PANAMA CITY	K4PMO	146.34	146.94
PANAMA CITY	WB4SHN	147.99	147.39
PENSACOLA	WA4UAJ	144.51	145.11
PENSACOLA	WR4ACZ	146.16	146.76
PENSACOLA	WR4BDF	146.25	146.85
PENSACOLA	WR4AIK	146.34	146.94
PENSACOLA	WA4IZM	147.75	147.15
PERRY	W4RTN	146.37	146.97
PLANT CITY	K4RYR	144.56	145.16
PLANT CITY	WR4ANM	144.87	145.47
PLANTATION	W2GDG	144.70	145.37
POMPANO BEACH	WB4UFA	146.01	146.61
ROCKLEDGE	WD4NQK	147.735	147.135
RUSKIN	WB4YRW	147.705	147.105
SAN ANTONIO	WR4APL	146.28	146.88
SAN MATEO	W4QCP	147.66	147.06
SANFORD	WR4AJC	146.13	146.73
SARASOTA	WR4AUP	144.53	145.13
SARASOTA	WR4AUP	146.13	146.73
SEBRING	WR4BAJ	147.87	147.27
SEMINOLE	K4GGX	147.135	146.70
SINGER IS	WD4LGT	144.57	145.17
SINGER IS	N4BBZ	147.765	147.165
ST CLOUD	W4SIE	146.19	146.79
ST PETERSBURG	WA4CZW	144.85	145.45
ST PETERSBURG	WB4COT	146.31	146.91
ST PETERSBURG	K4KE	147.60	147.00
ST PETERSBURG	K4SCL	147.66	147.06
ST PETERSBURG	WA4FYR	147.885	147.285
ST PETERSBURG	WR4AUF	147.915	147.315
ST PETERSBURG	W4APV	147.96	147.36
STUART	K4FI	146.46	147.06
SUNRISE	WD4NXL	144.69	145.29
TALLAHASSEE	WR4AAB	146.055	146.655
TALLAHASSEE	WD4HWE	146.31	146.91
TALLAHASSEE	K4MZA	147.63	147.03
TAMPA	W4EFK	144.89	145.49
TAMPA	KR4X	146.16	146.76
TAMPA	WA4KLW	146.19	146.79
TAMPA	W4TTW	146.235	146.835
TAMPA	WB4AKA	146.265	146.865
TAMPA	WR4AXR	147.63	147.03
TAMPA	W4VDE	147.75	147.15
TAMPA	K4SDV	147.81	147.21
TAMPA	KO4J	147.84	147.24
TAMPA	WA4VOT	147.945	147.345
TAMPA	W4NGH	147.975	147.375
TICE	K4VGN	146.115	146.715
TITUSVILLE	WB4IFH	146.07	146.67
TITUSVILLE	W4NOV	146.31	146.91
TITUSVILLE	K4DII	146.37	146.97
VERO BEACH	W4OT	146.04	146.64
W PALM BEACH	WA4ARE	146.07	146.67
W PALM BEACH	WR4AIS	146.10	146.70
W PALM BEACH	KA4EPS	146.145	146.745
W PALM BEACH	WR4AFM	146.28	146.88
W PALM BEACH	WR4AIT	146.37	146.97
W PALM BEACH	WD4GBD	147.885	147.285
W PALM BEACH	WD4NWI	147.915	147.315
W PALM BEACH	WA4HXZ	147.96	147.36
WINTER HAVEN	WR4AUY	146.055	146.655

SIX METERS

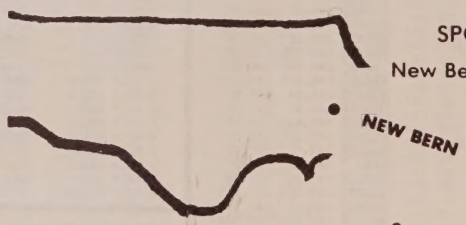
EUSTIS	N4AQL	52.05	53.05
FT LAUDERDALE	WR4ATI	52.73	53.73
GAINSVILLE	WB4FSQ	52.01	53.10
JACKSONVILLE	WR4ATE	52.03	53.03
JACKSONVILLE	WR4APO	52.76	52.64
LARGO	WA4GCH	52.55	53.55
MIAMI	WR4ARA	52.17	53.17
MIAMI	AC4K	52.48	52.68
MIAMI	WR4ASN	52.65	53.65
NEW PORT RICHEY	WR4AML	52.07	53.07
PENSACOLA	WR4BDF	52.05	53.05
PLANT CITY	WR4ANM	52.13	53.13
SHELL POINT	WA4ISJ	52.67	53.67
TAMPA	W4VDE	52.63	53.63

220 MHZ

CLEARWATER	WR4AVI	223.34	224.94
CLEARWATER	W4DPH	223.38	224.98
CRESTVIEW	WB4CDR	223.22	224.82
ELGIN AFB	WD4JEJ	222.34	223.94
FT LAUDERDALE	WB4QKZ	222.62	224.22
FT LAUDERDALE	WR4ATI	223.30	224.90
JACKSONVILLE	WR4AQT	222.90	224.50
JACKSONVILLE	WA4KKY	223.34	224.94
KATHLEEN	N4ADN	223.02	224.62
KEY LARGO	WD4NEZ	222.94	224.54
LAKELAND	KF4Y	222.38	223.98
LAKELAND	W4NY	223.10	224.70
LARGO	WA4GCH	222.34	223.94
LARGO	K4SCL	223.06	224.66
MIAMI	WR4ASN	222.34	223.94
MIAMI	WD4GZL	222.38	223.98
MIAMI	WB4INA	222.90	224.50
MIAMI	KA4HWE	223.18	224.78
MIAMI	WR4BCB	223.22	224.82
MIAMI	WR4BDH	223.26	224.86
MIAMI	WR4AKZ	223.34	224.94
MIAMI	WB4VMU	223.38	224.98
MILTON	K4IVD	223.10	224.70
NORTH MIAMI	AI4I	223.14	224.74
ORLANDO	WB4NK	223.22	224.82
ORLANDO	WB4NK	223.34	224.94
PENSACLOA	WA4KST	223.34	224.94
ST PETERSBURG	WR4AWX	223.26	224.86
ST PETERSBURG	W4APV	223.30	224.90
TAMPA	KD4J	222.62	224.22
TAMPA	W4WWW	223.14	224.74
TAMPA	WD4MCR	223.18	224.78
VALRICO	AA4WJ	222.94	224.54

Updated Florida Index
Ctsy. Florida Repeater Council
Al Friend, W4CF, Freq. Coord

1980
NEW BERN HAMFEST



A R R L AFFILIATED

SPONSORED BY:
New Bern Amateur Radio Club, New Bern

LOCATION: NEW BERN (N. C.)
Craven County FAIRGROUNDS
ON U. S. 70, 3.5 miles
EAST OF NEW BERN

TIME: 0900 - 1800, SUNDAY,
October 12, 1980

ACCOMMODATIONS:
Holiday Inn, Ramada Inn; also overnight CAMPING.

TOP PRIZE DRAWING
at 3:00 P.M.

HOURLY PRIZE DRAWINGS
Clean-Up drawing at end of day

Indoor-Outdoor
FLEA MARKET

ADMISSION:
2 for $5.00 Advance;
$3.00 at Door;
Under 12 Free

PRICE of ticket includes chance in the BIG PRIZE and ADMISSION FOR VENDORS & FLEA MARKET.

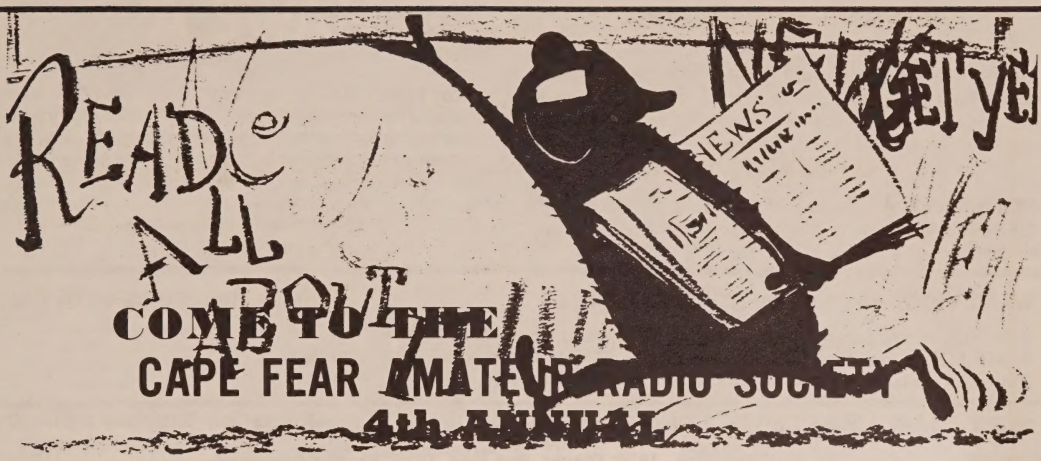
Additional prize tickets available.

Home Cooked Food
Available All Day

GRAND PRIZE
(Not necessary to be present to win).

TALK-IN FREQUENCIES:
New Bern Repeater: 146.01/61 and 146.16/76

For additional Information, Details or Tickets, write:
New Bern Hamfest, Box 2483, New Bern, N. C. 28560



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4th ANNUAL

HAMFEST

AUGUST 16 & 17 1980

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147.93/33 Fayetteville
146.52/52 Simplex

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Fayetteville, NC
(Call 919-867-2169 24 hrs.)

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GALORE

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3rd - 2 Mtr Handy Talkie

4th - CDC T²X Rotor Motor

PLUS MORE!

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FT BRAGG, NC

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9,000 SQUARE FEET OF "AIR CONDITIONED SPACE"

Most activities are to be held inside, some space may be available outside. Call early for reservations! This is a family Hamfest, there will be activities for all members of the family, so bring all your family and attend the 4th annual Cape Fear Amateur Radio Society Hamfest and have a two day real fun affair.

YOU DO NOT HAVE TO BE PRESENT TO WIN THE FIRST FOUR TOP PRIZES.

CVRA DISTRICT RAMBLINGS

Continued From Page 13

RICHMOND, VA. — WR4BBZ, the RATS Club in Richmond should have their new 2-meter and 70 cm stationmasters on their repeaters by now. The new antennas should improve the operation of both repeaters. (Carter, K4ARO)

• • •

PETERSBURG, VA. — Carter Cogle, K4ARO reports that 10-meter FM activity is in the Summer doldrums after an exciting and entertaining Winter and Spring. He said working Japan while mobile was commonplace on 10 FM. (Carter, K4ARO)

• • •

HIGH PONT, N.C. — The High Point WA4ZXA repeater returned to their old frequency of 265-865 after receiving massive interference from some person or persons somewhere Southwest between High Point and Gastonia. After hours of keydown, the machine would have to be permanently shut off on the 72-12 frequency. The noise problems on 265-865 have finally been found and eliminated, so the club plans to stay on 265-865.

WEST VIRGINIA CLUB MEETING CALENDAR

Information Supplied by Clubs

OAK HILL — Plateau ARA, 1st Tue., Bd of Education, Fayetteville, W. Va.
BLUEFIELD — East River RC, 1st & 3rd Mon., 2030 at Commercial Bank, Bluefield
BECKLEY Black Diamond, ARC, 3rd Thursday in Beckley

NORTH CAROLINA CLUB MEETING CALENDAR

Information Supplied by Clubs

ASHEVILLE. W. Caro ARS. Bus. 1st Thur., 1930; Dinner, 2nd Mon. 1930, Various Locations
BENSON - Johnson ARS 3rd Thur. 1930 at 50-210 Fire Station
BURLINGTON - Alamance ARC 2nd & 4th Monday 1930, at 230 E. Summit Ave.
BURLINGTON - Alamance Repeater Assoc. Inc. Last Sat. 1900 at B & J Cafeteria
CARY - Cary ARC 4th Thur. 1930 at White Plains Methodist Church
CHARLOTTE - Mecklenburg ARS Last Tue. 1930-Red Cross Bldg on Park Rd.
CHARLOTTE — Charlotte ARC, 4th Thurs. 1900 — Club Building — WSOC-TV Tryon Street
CHARLOTTE - Friday Lunch Group Fri. 1200 - Mediterranean Rest. on Independence Blvd.
CONCORD - Cabarrus ARS, 3rd Mon., 1930, Kimball Memorial Lutheran Church, Aux. Bldg., Kannapolis
DURHAM - Durham FM Assoc. - 2nd Tue. 1800 - Picadilly Cafeteria, S. Sq. S.S.
DURHAM - Triangle Radio Alert Network - 3rd Thurs. 1800 Picadilly Cafeteria, S.Sq. S.S.
REIDSVILLE — ROCKINGHAM CTY. ARC, 1st Mon & 3rd Thur., 1900 Municipal Bldg.
FAYETTEVILLE - Cape Fear ARS 3rd Mon. 1900 - Methodist College,
FRANKLIN - Franklin ARC, 2nd Thur. 1900 - Macon Savings & Loan Assn.
GASTONIA - Gaston Cty. ARS - 1st Mon. 1900 - Community room at Eastridge Mall
GREENVILLE - Brightleaf ARC - 2nd Tues. 2000 - Planters Nat. Bank, downtown.
GREENSBORO - Greensboro ARA, 4th Mon., 1830, Founders Hall, Guilford College
GREENSBORO - Greensboro RC Fri. 1930-Club House near Friendship Airport
GREENSBORO - Guilford Am. Soc. (GAS), 2nd Mon., 1830, Diff. Restaurants, Ann. on Repeater.
GREENSBORO — Ladies In Amateur Radio Soc. — 1900 — 2nd Tues., Mbrs. Home, 4th Tues., Apple House Cafe
HIGH POINT — High Point ARC — 2nd Tue. 1980 — Student Center, High Point College
HIGH POINT - High Point ARC Tue. 1930 - Old Mill Rd.
JACKSONVILLE - Onslow ARC 2nd Sat. 1000 - Howard Johnsons Restaurant
KANNAPOLIS - Cabarrus County ARS 3rd Mon. 1930, Activity Bldg., Kimball Memorial Lutheran Church
LAURINBURG - Scotland County ARS 1st Wed. - Cablevision Office
LEXINGTON - Healing Springs Mt. VHF Soc. Last Mon. 1930 - Burlington House Furniture Co., Personnel Office
LUMBERTON - Lumberton ARC, 3rd Thu. Robeson County Public Library at 1930
MORGANTON - Morganton ARC, 1st Mon., 1930, W. Piedmont Community College
NEW BERN - New Bern ARC, 3rd Thursday, 1930, Golden Corral Steak House
N. WILKESBORO — Foothills ARC — 1st Tue. 1930, Fairplains School, N. Wilkesboro
RALEIGH — Raleigh ARS — 1st Wed. 1930 — West Community Room, Crabtree Valley Mall
ROCKINGHAM — Rockingham ARC — 1st Thur — East Rock Fire Dept.
ROCKY MOUNT — Rocky Mount ARS, 3rd Thursday at Golden Corral in Rocky Mount.
SALISBURY - Rowan ARS & 4th Mon. 2000-Salisbury City Hall, Main Street
SHELBY - Shelby Radio Club 2nd Mon. 1830 Hungry Bull Restaurant, Dutch Supper
SILVA - Smokey Mt. ARC, 2nd Tue. 1900 - Southwest Tech. Institute
STATESVILLE - Iredell City ARS - 2nd Thurs. 1900 - Hall of Justice, Water & Tradd Sts.
WILMINGTON — VHF Society, 2nd Tue. Odd Months, 1930, Cameron Ed. Bldg., New Hanover Mem. Hosp. Social Meet at New Hanover Mem. Hosp. Ed. Bldg.
WINSTON-SALEM — Forsyth ARC — 2nd Mon. 1930, Red Cross Building

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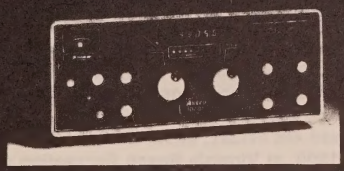
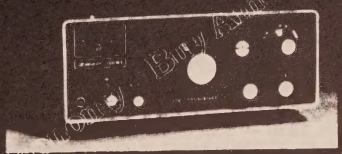
ASTRO 102 BX



100 MX



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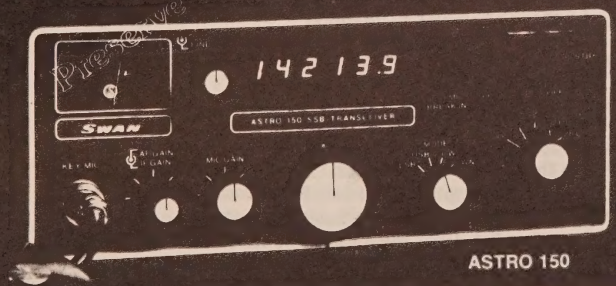

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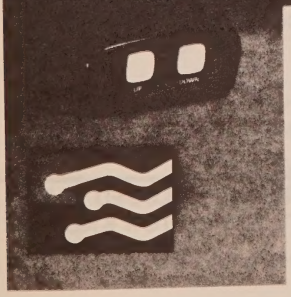

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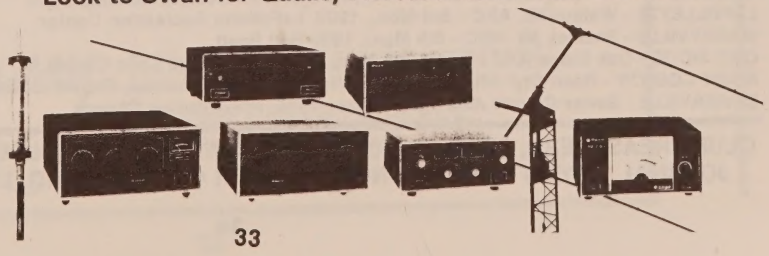

VIRGINIA CLUB MEETING CALENDAR — Information Supplied by clubs

ALBERTA - Southern Piedmont ARC - 3rd Thursday, 1900, Southside Va., Community College
BLUEFIELD - East River RC, 1st & 3rd Monday, 2930 at Commercial Bank, Bluefield
CHARLOTTESVILLE - Albemarle ARC, 2nd Wed., 1930 at City Courthouse on 4th Street NE
CHARLOTTESVILLE - University of Virginia ARC, every other Mon., Rm, C119, Thornton Hall
COVINGTON - VHF Communications Assn., - 2nd Wed., 1930 at different Members homes
DANVILLE - Danville ARS, 1st & 3rd Friday, 1930, Danville Community College
FARMVILLE - Southwide ARS, 1st Thursday, 1930, Hampton-Sydney College, Farmville
GALAX - Briarpatch ARC, 1900, Galax Recreation Center
HAMPTON - Southern Peninsula AR Klub (Spark) 1st, 3rd Wednesday, 1930, VEPCO Building
LYNCHBURG - ARC, 2nd Friday, 2000, Virginia Baptist Hospital Auditorium
MARTINSVILLE - Patrick Henry ARA, 3rd Tues., 1930, 1st National Bank of Martinsville and Henry County
NEWPORT NEWS - SPARK 1st & 3rd Wednesday. 1930 at VEPCO Building in Hampton
NORFOLK — Hampton Roads Radio Assn., 1st Wed., 1930 Red Cross Headquarters Norfolk
NORFOLK - Tidewater ARC, 2nd & 4th Saturday, 1000, Fort Norfolk, Hampton Blvd.
PORTSMOUTH - Portsmouth ARC. 2nd and 4th Thursdays, 432 Broad Street, Portsmouth
RAPPAHANOCK - ARA, 2nd Tuesday, Meeting places will be announced monthly.
RICHMOND - Virginia ARA, Last Friday, 2000, Hermitage Auditorium, Westwood & Hermitage
RICHMOND - (RATS) 1st and 3rd Fridays, 1930, at the Stone House in Forrest Hill Park
RICHMOND - ARC, 2nd Friday, 2000, at the Stone House in Forrest Hill Park
ROANOKE - Roanoke Valley ARC, 2nd and 4th Friday, 2000, Colonial Ave. Presbyterian Church
VIRGINIA BEACH - ARC, 1st Thursday, 1900, at Virginia Beach Recreation Center
WINCHESTER - Shenandoah Valley ARC, 1st and 3rd Fridays, 2000, Club Building on Grace Street

SOUTH CAROLINA CLUB MEETING CALENDAR — Information Supplied by clubs

ANDERSON - RC, 4th Thurs. 1930, Anderson Cty. Arts Bldg. - Lunch Break Fri. Noon, Quency's Steak House
CHARLESTON - Holiday VHF Soc. 2nd Wed. 2930 - Pinehaven Shopping Center Meeting Room
CHARLESTON - Charleston ARS, Inc. - Home Federal Meeting Room, Ashley Plaza S.S.
CHARLESTON - Trident ARC, 3rd Wed. 1930 - Park Cir. Presy. Church.
CHERAW — Chesterfield Cty. ARS — 3rd Tue. 1900 — Chesterfield Technical Inst.
CLEMSON — Clemson Univ. ARC — (During School Year — Posted prior to meeting)
COLUMBIA — Columbia ARC — 1st Mon. 1930 — S.C. Electric and Gas Building
DILLON — Dillon Cty. ARC, Each Mon. Informal, 2nd Mon., Formal, 1900, Lion's Club Bldg. Washington St.
EASLEY — Altamont ARC, 4th Tues., 1930, First Federal Bank Building
FLORENCE - Florence ARC, Shoneys, 1st Tues. 1930
FLORENCE - Florence FM Repeater Assn. 3rd Mon. 1930 Florence Darlington Technical Center
GREER - Greer ARC 1st Mon. 1930 Meeting Location announced monthly,
GREENVILLE - Blue Ridge ARS 1st Tue. 1930 Red Cross Building 3rd Tues. Dinner.
GREENVILLE - The Dutch Lunch Club - Mond. S & S Cafeteria at 1245.
GREENWOOD - Piedmont Tec ARC, 1st Mon. 1930 at Piedmont Tec.
KEEOWEE - Keeowee, Toxaway ARC, 3rd Tues. at Keeowee Toxaway Vistors Center
LANCASTER — Lancaster Cty. ARC, 3rd Thurs., 1930 at USC, Lancaster Campus
LAURENS - Caro. Computer and ARA, 1930, 2nd Fri. Gen. Meet; 4th Fri Digit. workshop
ORANGEBURG — Orangeburg ARC — 3rd Thurs. 1930 — Elks Club Hwy 301 N & 601 N
ROCK HILL - York Cty. ARS, 2nd & 4th Thurs., 1930, Club Room Beaty Mall, Rock Hill
SUMTER - Sumter Repeater Assn. 3rd Mon. 2000 City/County Office Building Conference Room
WALTERBORO - Coastal Amateur Radio Assn. 2nd Sat. 1900, meeting announced on 31/91 net.

TENNESSEE CLUB MEETING CALENDAR — Information Supplied by clubs

KNOXVILLE - Fountain City ARC - 1st Mon., 1800, Chubbies Rest, Broadway Shop. Cen.
KNOXVILLE - Knoxville ARC - 3rd Fri., 1930, Knoxville Fire Dept. Training Cen.
LAFOLLETTE - Walnut Mt. ARC - 3rd Mon., 1900, LaFollette Recreation Center
MARRYVILLE - Smokey Mt. ARC - 4th Mon., 1930 Hall Road
OAK RIDGE - Oak Ridge ARC - 2nd & 4th Mon., 1930, Oak Ridge Civic Center
ROAN COUNTY - Roan Cty. ARES Club - 2nd Tues., 1930, Rockwood, Old Pond Grade School
SEVIERVILLE - Sevier County ARC - 3rd Thurs., 1930, Presbyterian Church

CLUB TREASURERS, SEND US YOUR CLUB MEETING SCHEDULES TO BE INCLUDED IN THE JOURNAL. IF YOU HAVE CHANGES IN YOUR CLUB MEETING, LET THE EDITOR KNOW.

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GRANDADDY SHELBY HAMFEST SKED AUGUST 30 and 31

An institution for the CVRA area holds its 23rd annual Hamfest at Shelby, N.C. on August 30 and 31. The Shelby Radio Club reported over 6,000 in attendance last year at their new site, the Cleveland County Fairgrounds. This year they expect 10,000 according to their brochures.

The event which moved to the fairgrounds last year after outgrowing the outmoded Cedar Park (which covered acres of land) is expected to be well attended again this year from all indications. Since less shade is available, patrons might want to carry tents or canopies along if they plan on flea marketing outside.

Shelby will have Saturday and Sunday attendance prices, and the delicious Barbeque everyone always goes for. Trailer facilities and camp sites are available on the huge 15 acre fairgrounds. Plenty of space is available for all flea market patrons. Large covered areas are available for new equipment dealers. Many motels and hotels are close by. Directions to the Cleveland County Fairgrounds: Take U.S. Highway 74 Business to the East side of Shelby.

Talkin will be held on 28-88, 945-345, 52 simplex and 3923 khz. SSB. For further information about the Shelby Hamfest, contact, David Rose, WD4DJA, 1516 Knox Drive, Shelby, N.C. 28150. Phone (704) 487-5654 (Only on weekends, please)

PLANNING TO MOVE YOUR REPEATER?

Before you move your repeater to that high hill up yonder, you'd better check with your State Director to see if your frequency is going to be ok after the move. Often times, you will receive harmful interference when your antenna is greatly improved. A frequency change may be needed.

FAYETTEVILLE-FT. BRAGG (N.C.) HAMFEST SKED AUGUST 16 & 17

The Cape Fear ARS 4th Annual Hamfest will be held at Main Officers Club at Fort Bragg on August 16 and 17. The flea market area will be held in the air-conditioned Lafayette ballroom, 9,000 square feet of plush surroundings, with lounge only steps away, swimming pool just outside the door.

A score of prizes will be given away Sunday afternoon after the 2-day event. Many motels and Campgrounds are easily accessible to the area. Talkin will be held on 31-93, 93-33 and 52 simplex. For further information write to WA4YMM, P.O. Box 35171, Fayetteville, N.C. 28303, or call (919) 867-2169 anytime.

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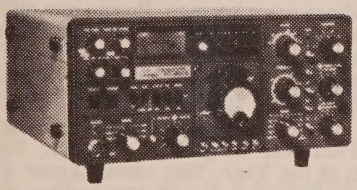
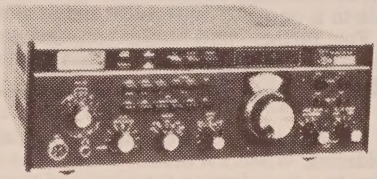
TS-120S

YAESU FT-901



DRAKE TR-7



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ASHEVILLE AUTUMNFEST OCT. 11

The Annual Asheville (N.C.) Autumnfest will be held Saturday, October 11, at the Asheville Civic Center in downtown Asheville. The Western Carolina ARS, sponsors of the event again welcome everyone to come into the beautiful mountains of North Caorlina and enjoy the Fall scenic beauty for the weekend, while attending Autumnfest.

The Hamfest will get underway at 9:00 a.m. Saturday and continue through the day. A social get-together is planned Saturday evening from 7:30 to 11:00 p.m. at the Civic Center. Main prize drawing will be held at 4:00 p.m.. Hourly drawings start in the morning and continue throughout the day until the main prize drawing. The Civic Center provides a large indoor flea market, with Bingo, and other special programs and events. The McElroy Memorial CW competition, with pre-registration required will also be held during the Autumnfest. Talk-in is on 31-91, 04-64, 16-76 and 52 simplex.

For further information or assistance, send SASE to W.C.A.R.S., P.O. Box 1488, Asheville, N.C. 28802.

TECHNICAL TIP

Ever thought of wearing safety glasses while soldering. WB4EXW did not until he was soldering a wire to a transformer terminal and some flux that was trapped in the original solder joint "blew out" and threw solder on one of his eyelids. I now wear a pair of plastic safety glasses when soldering. They only cost a few dollars and your eyes are worth much more than that. Also use them when doing the chassis work on that pet project.

JACKSONS MILL PROVIDED EXCITEMENT IN ODD WAY

Persons who attended the West Virginia State ARRL convention at Jacksons Mill over the 4th of July weekend got some unexpected excitement Saturday afternoon.

Chuck Roark, WD4GDH of Winston-Salem (N.C.) who attended the event said the patrons had just shut down the flea market at noon and everyone had gathered in the chow hall for lunch when all of a sudden howling winds came across the grounds and the power went out. Roark said they didn't know whether it was a tornado or what, but whatever it was came into the valley across the mountain, hit the campgrounds where the hamfest was being held, swooped down, and was gone in 2 or 3 minutes. He said several large trees were uprooted and limbs shattered, but fortunately none of the camp area tents, or buildings were harmed. Power was off for the remainder of the afternoon until about 5:00 p.m. before it restored.

The Jackson Mill event was well attended both Saturday and Sunday.

Highlight of the Convention was the naming of George W. Puzzuole, K8QEW of Wierton, West Virginia Ham of the Year. This annual honor was begun at the ARRL convention in 1961 and has continued yearly since that time.

A side note of the Convention, Phil Wicker, W4ACY, Roanoke Division Director of ARRL, had car trouble and had to hitch a ride to get to the convention late on Sunday.

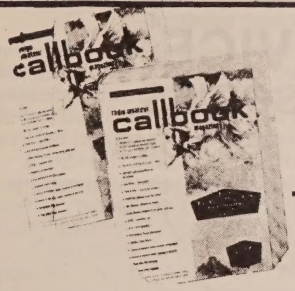
CVRA JOURNAL ADVERTISING RATE CARD (Effective 1-1-79)

AD DEADLINES ARE: JAN. 1, APR. 1, JULY 1, OCT. 1

	SIZE	PER ISSUE	CONTRACT PER ISSUE
INSIDE FRONT AND BACK COVER	6" x 7½"	$60.00	$55.00
FULL PAGE	6" x 7½"	40.00	35.00
ONE-HALF PAGE	6" x 3¾"	22.50	20.00
ONE-QUARTER PAGE	2⅞" x 3¾"	12.50	10.00
BUSINESS CARDS	Standard Size	9.00/yr. (In Advance)	
CLASSIFIED ADS	(30 word max)	1.75 per ad (In Advance)	
HAMFEST ADS	6" x 7½"	35.00 (In Advance)	

Rates above apply to exact size, camera ready ad copy. Composition and typesetting for full page ad approx. $12 to $15. Artwork or ad reductions/enlargements are $3.75 each. For color ads, ad $15.00.

Send all copy to: Ken Holliday, WA4DYY, 1923 Halifax Court, High Point, N.C. 27260. Contract advertising will be reinserted if no new copy received by deadline. Advertisers on contract may be billed quarterly if requested. Business Cards, Classified and Ham Fest ad insertions must be sent in Check with order.



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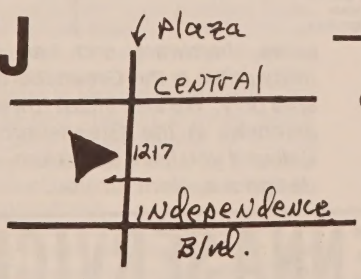

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If you have a 25-G Rohn Tower at the height you want, and do not have a top section, we have the new ROHN BAS-25-G cap section. It has a flat top, drilled for TB-3 bearing and a welded-in rotor plate. Length 20-inches.

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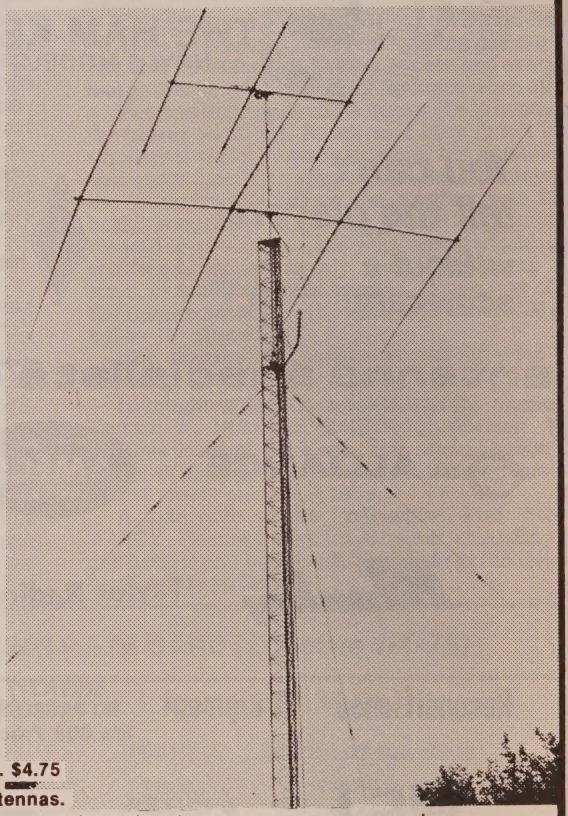
Will coat most antennas — for protecting your antennas.

25-G TOP SECTIONS



If you want or need something not listed above, call us, we may have it or can get it for you. All of the above items are standard stock items and we will try to fill your order promptly. We have a limited variety of utility poles, hardware and can supply utility poles in the Greensboro, N.C. area only. We also install towers and antennas in the Greensboro area. Call us if you have a problem, we will design a system for you.

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JUST BLAME THE COMPUTER

Continued From Page 1

memory.) No problem here, our man Lindsay designed the program to start with, so perserverance, time, stamina, and patience and much dedication from Lindsey and the program was rewritten in time for our May issue.

First tests indicated everything looked good. The repeater index was run off, sent down to your editor and prepared for pasteup. Then we noticed some funny entries of repeaters that shouldn't be there.

A run through the index was made as quickly as possible and 17 "unknown" repeaters were removed. But the deadline caught us, and we went to press with the index.

It was not until later we discovered that almost 50 repeater members had been kicked out by the computer and the nasty old "N" was inserted beside their entry. We found numerous repeaters had been deleted completely. We also found out that almost all of the changes made to the May index didn't come out either.

I was busy working on re-correcting the index when I got a call from Larry McLaurin, WB4VJE, our Asssociate Membership Chairman. Larry informed me that the computer had done him in also. When labels were printed to affix to the Journals, the computer had taken out everyone with suffixes in their calls beginning with "U" and "V" and a few "T's".

We searched and found the missing names in an old printout, contacted Lindsay who went about trying to find out what the computer had done with 140 people. He provided us with a printout of the missing names, and Larry and I sat down and typed out labels for each member who was missed and added a few new members who had joined since the Journal mailing. We sent out 206 more Journals in mid June.

Meanwhile, Lindsay found the glitch in the computer program, corrected it and notified me everything should be ok. Not trusting the repeater index printout, we started from the first repeater in the first state listed (Alabama) and went through the last of 10 states we have on file in the computer, a total of over 1,100 repeater entries. We check each entry against old printouts and verified each line and added missing lines. We then re-inserted May corrections. All this was placed into the computer and Lindsay returned me a new corrected printout near the end of June.

The corrected printout was double checked to see that every correction got in, and we checked the CVRA full members each individually to see that all were listed as members (over 225 repeaters). Then August corrections were made.

As this editorial is being written, we are sending the final (we hope) corrections to the computer for this issue of the Journal. It took us almost 3 months to get it back together again, but fortunately Lindsay spared no effort or time to see that we got it all in and corrected.

Finally to those who were left off, or listed wrong, we're sorry. You know how those dadburned computers are....

—Wayne C. Williams, Editor

PLATEAU ARS ACTIVE WITH REPEATER, NETS, FLEA MARKET

The Plateau Amateur Radio Assoc. (West Virginia) was formed in the fall of 1978 with the first meeting being held at Wendys in Oak Hill, W. Va. Our first repeater was a tube type donated to us. From there we now have a Motorola 100 watt continuous Duty system with a Phelps Dodge duplexer and station master antenna, also a data signal autopatch. The repeater is located at Oak Hill. Club meetings are held the first Tuesday of every month at the board of Education in Fayetteville, W. Va. We also hold a net every Friday at 8 P.M. on 19/79 for the purpose of handling traffic, club announcements and emergency preparedness.

The PARA Club Received good reviews when we supplied emergency communications for the Medical Simulated Disaster at Hawks Nest, W. Va.

PARA officers are: President, Bill Lilly, WB8SIY; Vice President, Don Newell, Jr., KA8OMJ; Secretary, Bunny Barnhard, K8DMF and Treasurer, David Legg, WD8OQJ.

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Asheville Autumnfest

October 11, 1980

9A.M. Til –

Asheville Civic Center

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ALL ACTIVITIES ON SATURDAY ONLY SO YOU AND YOUR FAMILY MAY ENJOY THE BEAUTIFUL FALL SCENERY OF THE SMOKY MOUNTAINS ON SUNDAY

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TEN-TEC 580

Solid State Transceiver w/AC Power Supply.

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PLUS MANY, MANY OTHER PRIZES - HOURLY DRAWINGS STARTING AT 9:30 A.M.

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Dealers from all over the area will be displaying the newest in amateur equipment.

Large INDOOR flea market area

BINGO plus Demonstration of Interest to Amateur Radio

McELROY MEMORIAL CW COMPETITION — Pre-registration is required for participation.

IF YOUR ORGANIZATION WOULD LIKE TO HAVE
MEETING FRI., SAT., OR SUNDAY WE
CAN MAKE THE ARRANGEMENTS

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MAIN PRIZE DRAWING TO BE HELD AT 6 P.M.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

MOTELS: This is a busy time in Asheville - PLEASE make your reservations early!!!!!!

TALK-IN: 31/91 — 04/64 — 16/76 — 52

****

PRE-REGISTRATION FORM **Pre-Registration $2.00 At Gate $2.50**

Please send _____ Tickets to the following:

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CHARLOTTE WEATHER NETWORK ACTIVATED

The Mecklenburg Amateur Radio Society has begun a severe weather network to assist the Charlotte, N. C. Weather Service Office in gathering information during periods of severe weather. The network is named the Metrolina Skywarn Network.

It is called on the Society's 34-94 machine when requested by the weather office and when there is a possibility of severe weather in the 10 county area of North Carolina and South Carolina served by the Charlotte NOAA continuous weather broadcast.

The network had its initial trial on March 6th when there was a tornado drill in the southeastern states generally.

Since then the net has had two training sessions, with slides, on tornadoes for spotters, conducted by Mr. Ron Kuhn, Meteorologist-In-Charge of the Charlotte Weather Service Office. Approximately two dozen people attended these sessions.

The first time that the net was called into session "for real" was during a Severe Thunderstorm Watch, on May 20. At that time there were 19 check-ins, with stations as far east as Monroe and as far west as Gastonia checking in. Most of the check-ins were mobile.

The second actual session was on June 16th when a series of severe thunderstorms raked the area. On this occasion there were 15 stations checking into the net.

Participation is expected to increase as the network and its purpose become more widely known, according to Gerry A. Hutchinson, KD4E Network Manager. Additional checkins can be used as spotters who can assist in reporting severe weather phenomena, such as funnel clouds or tornadoes, damaging wind, hail, heavy rain, flooding, freezing rain and other situations which will be of value to NOAA and the weather network.

YOUR TURN IS NEXT!

Continued From Page 1

According to the CVRA By-Laws, if the nominating committee names only one Director or Vice Director for nomination in his District (and they usually do) and no one else is nominated, the committee's nominees are proclaimed elected by the President to begin serving their term on January 1, 1981.

If you or some of your member friends desire to place another nominee before the committee, your by-laws state: "additional nominations for either post shall be submitted by acquiring the signatures of three Repeater Representatives (full members) within the District in question...." The additional nominee along with the three signatures should be sent to the CVRA Secretary no later than September 24.

In the case where additional nominees for either office, Director or Vice Director are given to the Secretary for any one District, the secretary will prepare a ballot and send it to each Full Member in that District to vote their preference for Director and Vice-Director. Of course if the nominees named by the 3 members of that Districts nominating committee is unopposed, no election or balloting will be necessary.

As you can see, you have a chance to work toward getting the best person available in your District (State) to carry on the job of Director for the next two years. Your Director is the person who runs the CVRA in your District. He is the person who can help carry on coordination, cooperation and communications for everyone in your State. His job is one of the most important ones in the CVRA. He is a very important man.

So, as election time nears, think, talk to your fellow repeater owners (CVRA members only, of course) and see just who you think can fill the shoes of Director and Vice-Director in your District the way you feel it should be run. Then do something about it.

It is very easy for us to sit back and let someone else do the nominating, and recommending and electing. But to be SURE you're getting a top-notch person for the most important job in your State as fas as the CVRA is concerned, PARTICIPATE!

Then if something goes wrong...you have a right to gripe....!

—Wayne C. Williams, K4MOB

COLUMBIA ARC FIELD DAY

—by Al Harney, WB4URY

The Columbia (S.C.) Amateur Radio Club participated in the June 28th and 29th ARRL Field Day activities. The group operating from Fort Jackson racked up an estimated score of about 2,200 points.

The club was given the use of the City of Columbia's Communications Van and a 15 KW Diesel generator. The Columbia club operated 4 bands at a time, but covered all five bands during the Field Day activities.

LINCOLN — W4SDF DEAD

Jack Lincoln Bone of Rocky Mount, N.C. died July 4th. Lincoln, as he was known far and wide was paralized from the neck down. He spent his last years in bed, with his 2-meters set up so he could talk to his friends. W4SDF was very active until recently on 2-meters. When he got on the air, he stayed for hours, because his stories and tales and sense of humor kept QSOs going as he would get called again and again after signing with a friend. Lincoln will be missed.

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calendar of coming events

The CVRA Journal will be glad to publish Events in your area taking place which are of interest to the entire area. Send information to CVRA Editor 1 month prior to Journal Publication date.

The following Hamfest dates have been supplied by clubs and by Phil Wicker, ARRL Roanoke Director. Tentative dates are marked with an asterisk.

HAMFEST SCHEDULE

AUGUST

3 .....SVARC (Winchester) Hamfest-BERRYVILLE, VA.
10 .....Hamfest-CONCORD, N.C.
16-17 .....Hamfest-FAYETTVL/FT. BRAGG, N.C.
17* .....Hamfest-RIPLEY, W. VA.
24 .....Hamfest-BLUEFIELD, W. VA.
30 .....CVRA Annual Meeting-SHELBY, N.C.
30-31 .....Hamfest-SHELBY, N.C.
31* .....Hamfest-MORGANTOWN, W. Va.

OCTOBER

5 .....Hamfest-ROCK HILL, S.C.
5 .....Va. State ARRL- VA. BEACH, VA.
11 .....Autumnfest-ASHEVILLE, N.C
12 .....Hamfest, Eastern N.C.-NEW BERN, N.C

REPEATER INFO BROCHURE FOR KNOXVILLE TN. AREA

Sam Kirby, WB4HAP has designed and had printed a very professionally done information brochure of Knoxville, Tennessee area Amateur repeaters. The brochure is compliments of the Radio Amateur Club of Knoxville.

In the brochure are listed 18 area repeaters giving complete information about each machine such as frequency, call, location and elevation, purpose or special features, ERP and antenna pattern and equipment. The sponsor or treasurer of each repeater is also listed with their complete address.

On the back side of the brochure are listed the various nets which are held each week on two meters and six meters.

The information brochure is available from the Radio Amateur Club of Knoxville, Tennessee.

STATE DIRECTORS AND ASSISTANTS ARE LISTED ON BACK COVER

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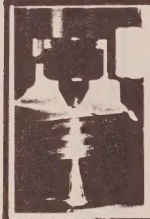
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1006 N. Raleigh St. - Greensboro, N.C. - 273-8221

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If you have equipment you would like to swap, sell, buy or trade you're invited to send us your want ads. Mail them to our Sales Manager listed on page 1 of the Journal. Ads are not limited to Amateur Radio items.

CLASSIFIED AD RATE: Non-Commercial or Commercial. $1.75 per ad in advance of Publication. (Max 30 words any one ad)

Ads must be submitted 30 days prior to publication. The CVRA assumes no responsibility as to the accuracy of description of equipment or its condition.

FOR SALE — General Electric P.E. Portable Radio with AC Charger, new Leather Case, new battery, rubber duck and telescoping antennas, good shape. Enjoy the BEST for $250.00. WA4YBC (919) 633-5586.

• • •

HONOR ROLL! You can become a member of the CVRA Journal Honor Roll by getting only 10 new CVRA Associate Members. When you get them sent in, send their calls and your name to the Journal Editor. You'll be placed on the CVRA Journal Honor Roll.

• • •

ATTENTION HOMEBREWERS: Avantek GPD Amplifiers, .5-500 Mhz., 15 db gain, circuit boards, Plessey 1600 Series ICs, in stock, Spec sheets available. E.H.I. COMPANY, 7808 Sheryl Dr., Norfolk, Va. 23505.

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TERRIFIC SWAP AD SHEETS! Ham, antique radios; nostalgic entertainment, collectables! Nationwide since 1971. 10¢ a word. Subscribe, 24 issues — $7.50, get one ad free. Sample next 5 issues — $2.00. "ELECTRONICS TRADER" Box 73-RJ, Folly Beach, S.C. 29439.

TAZEWELL REPEATER DOING JOB AMATEUR & PUBLIC SERVICE

—by Raymond B. Cox WA4QKH

The Tazewell 75-15 repeater is a wide coverage repeater located in Southwestern Virginia. It has seen much use by Amateurs and probably as much DX as any repeater on the East Coast. It is also been used extensively in public service.

On May 9, 1978, the Tri-Counties ARC with the assistance of the local Civil Defense, Sheriff's Department, the Forrestry Service and Senator Harry F. Byrd, put on their planned repeater on 75-15. The main purpose of the machine was to provide better communications in time of emergency to help protect the safety and welfare of citizens in surrounding counties of Tazewell, Buchanan, Russell, Bland, McDowell and Mercer (in W.Va.). The machine provides coverage consistently into parts of a six state area.

The Tazewell WA4QKH/R machine is located on Morris Knob (Knob Mt.) in Tazewell County Virginia. Site elevation is 4,339 feet. 75-15 is easily accessable with 25-watts as far away as 100 miles and in some directions 150 miles.

All members of the Tri-Counties ARC should be commended for their work and a fine job of putting on such a fine repeater. Their planning of an antenna system, thought and research of terrain in the mountain for a site for the machine and the proper equipment to stand up to the rigors of Amateur use in such rough terrain.

The Tazewell machine is a Motorola Micor 100 watt unit with 6-cavity Duplexer and Phelps Dodge Stationmaster.

In late 1978, local businesses donated a nice sum toward payment of the equipment. Complete cooperation has come from other public service organizations in the area.

During a test drill, a simulated plane crash, the Tazewell fire department, Rescue Squad and the Tri-Counties Radio Club all worked closely together. Emergency communications were passed through the repeater into 5 States during the exercise.

The Tri-Counties club has 22 members and is very active in public service. They are very proud of their "mountain-top" repeater.

CONCORD HAMFEST AUG. 10

The Cabarrus ARS announces their CARS Hamfest to be held in Concord August 10. The event will feature flea market area and Dealer displays on a first-come first-served basis. Prize drawings will be held Sunday afternoon. The flea market will begin at 7:30 a.m..

NEW BERN HAMFEST SKED OCT. 12

The New Bern (N.C.) ARC, Inc. announces their third annual Hamfest to be held October 12 at the New Bern Fairgrounds. Total attendance last year at the Eastern North Carolina event was over 700 paid, with estimates of 900 to 1,000 persons attending. They indicate this years attendance should be better since their hamfest is on a date that does not conflict with any nearby area hamfests.

The event will run from 9:00 a.m. to 6:00 p.m. Sunday with hourly prize drawings and clean-up and main drawing at end of day (around 3:00 p.m.). A large indoor/outdoor flea market will be featured. Special programs for the ladies will also be featured.

The Craven County Fairgrounds is on U.S. 70, 3.5 miles East of New Bern. Talkin will be held on 01-61 and 16-76. Further information may be obtained by writing: New Bern Hamfest, Box 2483, New Bern, N.C. 28560.

PLANNING ON BUILDING A REPEATER

If you plan to place a repeater on the air, contact your State Director, listed on the back cover of the JOURNAL. He has a wealth of information concerning available interference-free frequencies for your particular area. He'll be glad to work with you.

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WEST ANTENNA SERVICE—SPECIAL CLOSE OUT ITEMS

- Consolidated C-16 Straight and top tower sections, some finish damage - $30.00 ea.
- 5-Conductor flat rotor wire - 8 cents per foot
- Crankup mast 40 & 50-ft. (slight finish damage) $40.00 & $50.00
- Guy Wire - 18 Gauge for telescoping mast - 50-ft. coil - $2.00 ea.
- High Gain BN86 Bauns - $14.00
- Ground Stakes for telescoping mast (lt. duty) $2.00 ea.
- Guy Wire ¼-inch 500-foot coils only (will not cut) 12¢ per foot

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¾-inch Poly. rope 217 feet (new) will not cut $40.00
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1-3/8 high speed air drill (slightly used) 35.00
1-3/8 10w speed air drill (new) 40.00
1 Air hammer with chisel, punch, weld breaker and sheet metal cutter (slightly used) 40.00
1 Closed Circuit TV Monitor and Camera 400.00
1 Commercial 2-way radio system, including 100-watt base; Two 100-watt Mobile units, two 5-watt hand-held units, two mobile antennas. One Phelps-Dodge full wave base antenna and charger for hand-held. All units are Motorola and completely solid state, and less than 40 months old. Low band single freq.

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For Assistance in Repeater Coordination, Frequency Coordination, Changes in Repeaters, and Any other Assistance You May Require from the CVRA, Contact Your Local Director or His Assistant.

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